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CLEARINGHOUSE
FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION

NATIONAL BUREAU OF STANDARDS

February 28, 1967 Volume 17, Number 4

TECHNICAL TRANSLATIONS

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FORMAT

This journal is separated into five sections:

(1) Bibliographic citations are divided into 22 major fields; they are further subdivided alphanumerically under 178 groups. References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

(2) Translations in Process lists titles of translations being prepared by government and private sources. All Special Foreign Currency Science Information (SFCSI) Program translations are listed (formerly PL 480 Program).

(3) Translated or Abstracted Publications lists titles of approximately 190 technical and scientific periodicals regularly translated into English. Included is a cross reference by English title.

(4) Translated Tables of Contents of recent issues of monographs, journals, and journal sections; they are preceded by a list of the English titles of the publications from which they are taken.

(5) Indexes: three indexes are arranged by author, journal and number.

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JPRS social science translations are announced in this journal and are available from the Clearinghouse.

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14 METHODS AND EQUIPMENT 57

Includes cost effectiveness; laboratories, test facilities, and test equipment; recording devices; reliability; and reprography.

15 MILITARY SCIENCES 57

Includes antisubmarine warfare; chemical, biological, and radiological warfare; defense; intelligence; logistics; nuclear warfare; nd operations, strategy, and tactics. See also related fields: 16 Missile Technology and 17 Navigation, Communications, Detection and Countermeasures.

16 MISSILE TECHNOLOGY 58

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17 NAVIGATION, COMMUNICATIONS, DETECTION, AND COUNTERMEASURES 58

Includes acoustic detection; communications; direction finding; electromagnetic and acoustic countermeasures; infrared and ultraviolet detection; magnetic detection; navigation and guidance; optical detection; radar detection; and seismic detection. See also related fields: 09 Electronics and Electrical Engineering and 20 Physics.

18 NUCLEAR SCIENCE AND TECHNOLOGY 59

Includes fusion devices (thermonuclear); isotopes; nuclear explosions; nuclear instrumentation; nuclear power plants; radiation shielding and protection; radioactive wastes and fission products; radioactivity; reactor engineering and operation; reactor materials; reactor physics; reactors (power); reactors (non-power); and SNAP technology. See also related fields: 07 Chemistry, 15 Military Sciences, 18 Nuclear Science and Technology, 20 Physics, and 21 Propulsion and Fuels.

19 ORDNANCE 65

Includes ammunition, explosives; bombs; combat vehicles; explosions, ballistics, and armor; fire control and bombing systems; guns; rockets; and underwater ordnance. See also related field: 18 Nuclear Science and Technology.

20 PHYSICS 65

Includes acoustics; crystallography; electricity and magnetism; fluid mechanics; masers and lasers; optics; particle accelerators; particle physics; plasma physics; quantum theory; solid-mechanics; solid-state physics; thermodynamics and wave propagation. See also related fields: 03 Astronomy and Astrophysics, 07 Chemistry, 09 Electronics and Electrical Engineering, 10 Energy Conversion (Non-propulsive), 11 Materials, 13 Mechanical, Industrial, Civil, and Marine Engineering, and 17 Navigation, Communications, Detection, and Countermeasures.

21 PROPULSION AND FUELS 70

Includes air-breathing engines; combustion and ignition; electric propulsion; fuels; jet and gas turbine engines; nuclear propulsion; reciprocating engines; rocket motors and engines; and rocket propellants. See also related fields: 07 Chemistry and 20 Physics.

22 SPACE TECHNOLOGY 70

Includes astronautics; spacecraft; spacecraft trajectories and reentry; and spacecraft launch vehicles and ground support. See also related fields: 01 Aeronautics, 03 Astronomy and Astrophysics, 16 Missile Technology, 17 Navigation, Communications, Detection, and Countermeasures, and 21 Propulsion and Fuels.

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TECHNICAL TRANSLATIONS

01 AERONAUTICS

TT-66-35608 Field 1-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 72. 20 Dec 66, 15p. JPRS-38186.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35608

Abstract trans. of Hang K'ung Chih Shih (Chinese People's Republic) n2 p1-31ff 1964.

A. Aerodynamics

TT-66-15493 Field 1A, 14B

Hottner, T.
INVESTIGATIONS WITH A MODEL TUBE WIND TUNNEL AT HIGH MACH NUMBERS (M_a = 3 TO 6). 44p, 18refs.
Order from SLA: $4.60 as TT-66-15493

Trans. of Zeitschrift fuer Flugwissenschaften (West Germany) v13 p237-46 1965.
Paper presented at the annual meeting of the Wissenschaftliche Gesellschaft fuer Luft und Raumfahrt und Deutsche Gesellschaft fuer Raketentechnik und Raumfahrtforschung (Scientific Society for Air and Space Flight and the German Society for Rockettechniques and Space Flight Research) Jahrestagung, Berlin, 14-18 Sep 64.

TT-66-15653 Field 1A, 3B

Adams, E.
AERODYNAMIC PROBLEMS OF SPACE-PROBE HYPERSONIC FLIGHT THROUGH PLANETARY ATMOSPHERES (Die Aerodynamischen Probleme des Hypersonischen Fluges von Raumsonden durch Planetarische Atmosphaeren). Tr. by M. I. Weinreich. 20 May 65, 39p, 36refs. SC-T-65-729.
Order from SLA: $3.60 as TT-66-15653

Trans. of Vissenschaftliche Gesellschaft fuer Luft und Raumfahrt und Deutsche Gesellschaft fuer Raketentechnik un Raumfahrtforschung annual meeting, Berlin, 14-18 Sep 64. Paper, n.p., n.d. 32p.
Scientific Society for Air and Space Flight and German Society for Rockettechniques and Space Flight Research.

TT-66-15712 Field 1A

Popov, F. D.
ON ONE SCHEME OF THE METHOD OF INTEGRAL RELATIONS IN THE PROBLEM OF SUPERSONIC FLOW OVER A BLUNT BODY (Ob Odnoi Skheme Metoda Integralnykh Sootnoshenii v Zadache o Sverkhzvukovovom Obtekanii Zatuplennykh Tel). 17p, 5refs.
Order from SLA: $1.60 as TT-66-15712

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v36 n2 p239-45 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

B. Aeronautics

TT-66-15465 Field 1B

Spintzyk, J.
INVESTIGATION OF THE TIME OPTIMAL TURN AND CATCH UP MANEUVER OF SUPERSONIC AIRCRAFT. 43p, 15refs.
Order from SLA: $4.60 as TT-66-15465

Trans. of Wissenschaftliche Gesellschaft fuer Luftfahrt. Jahrbuch (West Germany) p202-17 1962.
Abbreviated version of Doctoral Thesis.

TT-66-35592 Field 1B

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 71. 19 Dec 66, 13p. JPRS-39169.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35592

Abstract trans. of Hang K'ung Chih Shih (Chinese People's Republic) n8 31p 1964.

C. Aircraft

TT-66-35481 Field 1C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 68. 12 Dec 66, 12p. JPRS-39058.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35481

Abstract trans. of Hang K'ung Chih Shih (Chinese People's Republic) n9 p1-35ff 1964.

TT-66-35707 Field 1C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 73. 28 Dec 66, 16p. JPRS-39285.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35707

Abstract trans. of Hang K'ung Chih Shih (Chinese People's Republic) n7 p1-32 1960.

02 AGRICULTURE

A. Agricultural chemistry

TT-66-15485 Field 2A

Lesnykh, D. S.; Musina, E. Sh.
THE PRODUCTION OF LIQUID NITROGEN FERTILIZERS. 2p.
Order from SLA: $1.10 as TT-66-15485

Trans. of Zhurnal Prikladnoi Khimii (USSR) v39 n5 p1177-9 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

B. Agricultural economics

TT-66-35469 Field 2B

Pauzin, N.
USSR AGRICULTURE: TRANSLATIONS NO. 177.
9 Dec 66, 12p. JPRS-39046.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35469

Trans. of Ekonomicheskaya Gazeta (USSR)
n38 p29, 31 1966.

TT-66-35566 Field 2B

EAST EUROPEAN AGRICULTURE, FORESTRY,
AND FOOD INDUSTRIES: TRANSLATIONS NO. 505.
15 Dec 66, 66p. JPRS-39143.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35566

TT-66-35669 Field 2B

Jianu, E.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND
FOOD INDUSTRIES: TRANSLATIONS NO. 506.
Economic Effectiveness of Investments and
Utilization. 22 Dec 66, 15p. JPRS-39247.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35669

Trans. of Revista de Statistica (Rumania)
v15 n9 p32-41 1966.

TT-66-35671 Field 2B

Lukinov, I.; Varavka, V.
USSR AGRICULTURE: TRANSLATIONS NO. 181.
27 Dec 66, 20p. JPRS-39249.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35671

Trans. of Ekonomicheskaya Gazeta (USSR) n37
p28, 37, 39; n43 p34 1966.

TT-66-35694 Field 2B

USSR AGRICULTURE: TRANSLATIONS NO. 182.
Problems of Agricultural Insurance. 28 Dec 66,
11p. JPRS-39272.
Order from CFSTI: HC$3.00, MF$0.65 as
TT-66-35694

Trans. from Ekonomicheskaya Gazeta (USSR) n45
p33-4 1966.

C. Agricultural engineering

NCH-206 908 Field 2C, 6M, 2A

Rabinovich, V. A.
RELATIONSHIP BETWEEN THE OXIDATION
POTENTIAL OF THE SOIL AND THE ACTIVITY OF
THE SOIL MICROFLORA (O Zavisimosti Okislitel-
nogo Potentsiala Pochvy ot Zhiznedeyatelnosti
Pochvennoi Mikroflory). Sep 66, 5p, 5refs. RTS-3454.
Order from NLL: 10s as RTS-3454

Trans. of Akademiya Nauk SSSR. Doklady, v103 n2
p305-8 1955.

TT-66-14632 Field 2C

Segler, G.
MOTIVES FOR DEVELOPMENT OF TRACTORS
AND MACHINERY IN THE PAST AND FUTURE.
39p, 25refs.
Order from SLA: $3.60 as TT-66-14632

Trans. of Verein Deutscher Ingenieure, Meeting
Muenster, 28 Oct 64. Paper, n.p.

TT-66-30532 Field 2C

Vnuchkov, V.; Pyatigorskii, A.
SOVIET AGRICULTURE: TRANSLATIONS NO. 114.
Prospects for Water-Management Construction
in Cotton-Growing Republics. 10 Feb 66, 9p.
JPRS-34090.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-30532

Trans. of Stroitelstvo i Arkhitektura Uzbekistana
(USSR) v6 n7 p1-3 1965.

TT-66-51107 Field 2C, 2D

Verigo, S. A.; Razumova, L. A.
SOIL MOISTURE AND ITS SIGNIFICANCE IN
AGRICULTURE. Tr. by N.Kaner. 1966, 242p,
refs. SFCSI-Agr(TT-66-51107).
Order from CFSTI: HC$3.00, as TT-66-51107

Trans. of mono. Pochvennaya Vlaga i Ee
Znacheie v Selskokhozyaistvennom Proizvodstve,
Leningrad, 1963.

D. Agronomy and horticulture

NCH-206 527 Field 2D

Zinoveva, Kh. G.; Volkova, F. E.
THE USE OF AZOTOBACTERIN IN THE GROWING
OF TOMATOES IN "PEAT BLOCKS" (Zastosuvan-
nya Azotobakteriny pri Viroschuvanni Pomidoriv u
Torfoperegnilnikh Gorshechkakh). Aug 66, 2p.
RTS-3550.
Order from NLL: 2s 6d as RTS-3550

Trans. of Mikrobiologichnyi Zhurnal (USSR) v19 n2
p62-3 1957.

TT-66-15703 Field 2D

Heber, U.
CAUSES OF FROST RESISTANCE IN WINTER
WHEAT. II. THE IMPORTANCE OF AMINO-ACIDS
AND PEPTIDES IN FROST RESISTANCE. 12p (figs
refs omitted, Conclusion not translated).
Order from SLA: $1.60 as TT-66-15703

Trans. of Planta (West Germany) v52 n4 p431-46 1958.

TT-66-15704 Field 2D

Heber, U.
CAUSES OF FROST RESISTANCE IN WINTER
WHEAT. I. THE IMPORTANCE OF SUGAR IN
FROST RESISTANCE. 25p (figs refs omitted).
Order from SLA: $2.60 as TT-66-15704

Partial trans.(Conclusion not included) of
Planta (West Germany) v52 n2 p144-72 1958.

TT-66-35701 Field 2D

Giosan, N.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 507. Results and Perspectives of Wheat Growing. 28 Dec 66, 31p. JPRS-39279.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35701

Trans. of Probleme Agricole (Rumania) n10 suppl. p3-34 1966.

TT-67-60158 Field 2D, 6C

Volodarskii, N.
THE EFFECT OF LEAVES OF VARIOUS STAGES ON THE TIME OF BUDDING IN TOBACCO.
Tr. by R. J. Zatorskii. 1966, 10p (foreign text included) refs. CSIRO-trans-7976.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60158

Trans. of Akademiya Nauk SSSR. Doklady, v100 n4 p797-800 1955.

E. Animal husbandry

NCH-206 522 Field 2E

Petrova, E. B.; Goryainova, Z. S.
THE EFFECT OF WHITE HELLEBORE INFUSION ON MOTOR SYSTEM OF THE RUMEN IN CATTLE (Vliyanie Nastoiki Beloi Chemeritsy na Motoriku Predzheludkov Krupnogo Rogatogo Skota). Aug 66, 3p. RTS-3047.
Order from NLL: 5s as RTS-3047

Trans. of Veterinariya (USSR) v38 n2 p55-6 1961.

TT-66-15341 Field 2E

Born, J. M. van den.
THE FIVE YEAR PLAN IN THE STRUGGLE AGAINST BOVINE TUBERCULOSIS IN THE LOW COUNTRIES. CARRIED OUT FROM 1ST MAY 1951 TO 1ST MAY 1956. 5p (figs omitted).
Order from SLA: $1.10 as TT-66-15341

Trans. of mono. Netherland Ministry of Agriculture. Veterinary Services Department. Rept., n.p., 1956.

TT-66-15544 Field 2E

Sahleanu, V.; Teodoru, V.
THE INFLUENCE OF SOME ANTIDIABETIC SULFAMIDES ON THE GROWTH AND FATTENING OF SWINE. 6p, 4refs.
Order from SLA: $1.10 as TT-66-15544

Trans. of Academia Republicii Populare Romine. Institutul de Endocrinologie. Studii si Cercetari de Endocrinologie (Rumania) v13 p815-7 1962.

TT-66-35301 Field 2E, 2B

Kerekes, G.; Takacs, J.; Pazur, K.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES TRANSLATIONS NO. 498. 30 Nov 66, 36p. JPRS-38877.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35301

Trans. of Statisztikai Szemle (Hungary) v44 n8/9 p842-54 1966 and Glasnik (Yugoslavia) n10 p20-9 1966.

TT-66-35326 Field 2E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 39. 1 Dec 66, 10p. JPRS-38902.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35326

Abstract trans. of Chung-Kuo Hsu-Mu Tsa-Chih (Chinese People's Republic) v4 n3 41p 1966.

TT-66-35643 Field 2E

Shlyakhov, E. N.; Gruz, E. V.
ACCELERATED METHODS OF LABORATORY DIAGNOSIS OF ANTHRAX. 21 Dec 66, 9p, refs. JPRS-39221.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35643

Trans. of Zdravookhranenie (USSR) v9 n4 p8-11 1966.

03 ASTRONOMY AND ASTROPHYSICS

A. Astronomy

TT-67-60387 Field 3A

Pskovskii, Yu. P.
THE MULTI-ARM MODEL OF OUR GALAXY.
Tr. by P. A. Kazakov, 1966, 6p.
CSIRO-trans-8336.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60387

Trans. of Astronomicheskii Tsirkulyar (USSR) n336 p1-2 1965.

B. Astrophysics

NCH-206 903 Field 3B

Lavdovskii, V. V.
STUDY OF EIGHT OPEN CLUSTER FROM THE PROPER MOTIONS AND PHOTOMETRIC CHARACTERISTICS OF THE STARS (Issledovanie vosmi Rasseyannykh Zvezdnykh Skoplenii po Sobstvennym Dvizheniyam i Fotometricheskim Kharakteristikam Zvezd). Oct 66, 150p, 65refs. RTS-3372.
Order from NLL: 40s as RTS-3372

Trans. of Glavnaya Astronomicheskaya Observatoriya, Pulkovo. Izvestiya (USSR) v22 n6 p138-218 1965.

TT-61-11147-146 Field 3B, 8E, 22-

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE NO. 146. 19 Dec 66, 86p. JPRS-39180.
Order from CFSTI: HC$3.00, MF$0.65 as TT-61-11147-146

Also available on subscription $16.00/year, Foreign $20.00/year.

TT-66-15511 Field 3B

Jordan, P.
THE ORIGIN OF THE STARS. 52p, 47refs.
Order from SLA: $5.60 as TT-66-15511

Trans. of mono. die Herkunft der Sterne, Stuttgart, 1947.

TT-67-60373 Field 3B

Eliass, M. K.
A NEW METHOD OF DEFINING THE OPTICAL DENSITY OF IONIZED HYDROGEN IN THE GALAXY. Tr. by A. K. Rothfield. 1966, 9p (foreign text included) refs. CSIRO-trans-8224.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60373

Trans. of Akademiya Nauk Latviiskoi SSR, Riga. Vestis: Fizikas un Tehnisko Zinatnu Serija. Izvestiya: Seriya Fiziko-Tekhnicheskikh Nauk, n1 p75-8 1965.

04 ATMOSPHERIC SCIENCES

A. Atmospheric physics

TT-61-11147-144 Field 4A, 4B, 8C, 8E

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE NO. 144. 16 Nov 66, 86p. JPRS-38677.
Order from CFSTI: HC$3.00, MF$0.65 as TT-61-11147-144

Also available on subscription $16.00/year, $20.00/year foreign.

TT-66-15499 Field 4A

Mayaud, P. N.
PRINCIPLES OF A DISCRIMINATION BETWEEN Sq AND SD CONCERNING INDIVIDUAL RECORDINGS AND DESCRIPTION OF A SPECIAL TYPE OF MAGNETIC DISTURBANCE, THE SLOW OSCILLATIONS. 41p (refs omitted).
Order from SLA: $4.60 as TT-66-15499

Trans. of Annales de Geophysique (France) v21 n1 p121-42 1965.

TT-66-15577 Field 4A, 4B

SUMMARY OF NOCTILUCENT CLOUDS OBSERVATIONS IN THE USSR FROM 1885-1944. DIRECTION OF MOVEMENT AND SPEED OF NOCTILUCENT CLOUDS AS OBSERVED IN THE USSR IN 1885-1940. 32p.
Order from SLA: $3.60 as TT-66-15577

Trans. of mono. Soveshchanie po Serebristym Oblakam, n.p., n.d. Trudy, Riga, 1961 p58-9 Conference on Noctilucent Clouds (no. 6). Proceedings.

TT-66-15651 Field 4A

Authier, B.
MEASUREMENT OF THE IONOSPHERE TEMPERATURE ON THE BASIS OF MOLECULAR FLUORESCENCE INDUCED ARTIFICIALLY BY MEANS OF ROCKETS (Mesures de Temperature de l'Ionosphere a Partir de la Fluorescence de Molecules Produites Artificiellement au Moyen de Fusees). Tr. by M. I. Weinreich. 12 May 65, 62p, 70refs. SC-T-65-728.
Order from SLA: $6.60 as TT-66-15651

Trans. of Annales de Geophysique (France) v20 n4 p353-82 1964.

TT-66-15663 Field 4A

Barbe, G.; Reininger, E.
ATMOSPHERIC CIRCULATION IN THE TROPOSPHERE AND IN THE MIDDLE AND ELEVATED STRATOSPHERE IN THE KERGUELEN ISLAND REGION. Tr. by A. L. Monks. 25 Mar 65, 6p, 5refs. ORNL-tr-401.
Order from SLA: $1.10 as TT-66-15663

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v259 n10 p622-5 1964.

TT-67-51372 Field 4A, 20F, 3A

Kucherov, N. I., ed.
OPTICAL INSTABILITY OF THE EARTH'S ATMOSPHERE. Tr. by Z. Lerman. 1966, 183p, refs. SFCSI-NASA(TT-67-51372); NASA-TT-F-437.
Order from CFSTI: $3.00 as NASA-TT-F-437

Trans. of mono. Opticheskaya Neustoichivost Zemnoi Atmosfery, Moscow-Leningrad, 1965.

TT-67-60349 Field 4A

Chen Yung-san.
THE VERTICAL INFLUENCE OF DYNAMIC DISTURBANCES BETWEEN THE STRATOSPHERE AND THE TROPOSPHERE. Oct 66, 18p. Emm-66-66; AD-644 565.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 565

Trans. of Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v31 n4 p319-27 1962.

B. Meteorology

TT-65-50004 Field 4B

Sternzat, M. S., ed
INSTRUMENTS AND METHODS FOR METEOROLOGICAL OBSERVATIONS (Pribory i Metody Nablyudenii). Tr. by A. Wald. 1966, 431p, refs. SFCSI-Comm(TT-65-50004).
Order from CFSTI: $3.00 as TT-65-50004
Trans. of Vsesoyuznoe Nauchnoe Meteorologicheskoe Soveshchanie. Trudy (USSR) v9 1963.

TT-66-15342 Field 4B

Soulage, G.
ON HAIL PREVENTION (A Propos de la Prevention de la Grele). 7p, 20refs.

Order from SLA: $1.10 as TT-66-15342

Trans. of Journal de Recherches Atmospheriques (sic) (France) v2 n1 p33-6 1965.

TT-66-15411 Field 4B

Inoue, E.
STUDIES OF THE DIFFUSION PHENOMENA IN THE ATMOSPHERIC SURFACE LAYER. PT 2. DIFFUSION SMOKE PUFFS OF THE FLOATING INSTANTANEOUS-SOURCE TYPE. Tr. by S. Rundle. Jun 65, 22p, 29refs. UCRL-Trans-1229(L).
Order from SLA: $2.60 as TT-66-15411

Trans. of Nogyo Kisho (Japan) v16 p20-6 1961.

TT-66-35683 Field 4B

Liu Tzu-chi.
COMMUNIST CHINA: SCIENCE AND TECHNOLOGY TRANSLATIONS NO. 357. Cultivate Clouds to Promote Rain. 27 Dec 66, 7p. JPRS-39261.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35683

Trans. of Hang K'ung Chih Shih (Chinese People's Republic) n12 p22-3 1964.

TT-66-51015 Field 4B, 8H, 2C

Konstantinov, A. R.
EVAPORATION IN NATURE. Tr. by I. Shechtman. 1966, 535p, 843refs. SFCSI-Comm(TT-66-51015).
Order from CFSTI: HC$3.00 as TT-66-51015

Trans. of mono. Isparenie v Prirode, Leningrad, 1963.

TT-67-51212 Field 4B, 4A

Kachurin, L. G.; Morachevskii, V. G.
KINETICS OF PHASE TRANSITIONS OF WATER IN THE ATMOSPHERE. 1966, 129p, refs. SFCSI-NSF(TT-67-51212).
Order from CFSTI: $3.00 as TT-67-51212

Trans. of mono. Kinetika Fazovykh Perekhodov Vody v Atmosfere, Leningrad, 1965.

TT-67-60350 Field 4B

Liao Tung-hsien; Liu Hung-teh; Li Yo-fang.
A BAROTROPIC MODEL WITH ACCOUNT OF LARGE-SCALE OROGRAPHIC INFLUENCES. Oct 66, 14p, 7refs. Emm-66-65; AD-644 566.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 566

Trans. of Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v31 n3 p234-40 1961.

05 BEHAVIORAL AND SOCIAL SCIENCES

A. Administration and management

TT-66-35497 Field 5A, 14A

Lyapin, V.
COST ACCOUNTING IN SCIENTIFIC RESEARCH ORGANIZATIONS. 13 Dec 66, 9p. JPRS-39074.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35497

Trans. of Planovoe Khozyaistvo (USSR) v43 n11 p44-9 1966.

TT-66-35530 Field 5A

Hsu Wei-i; Chang Jen-ho.
COMMUNIST CHINA: SCIENCE AND TECHNOLOGY TRANSLATIONS NO. 354. 14 Dec 66, 23p, refs JPRS-39107.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35530

Trans. of Sheng Hsueh Hsueh Pao (Chinese People's Republic) v2 n1 p24-8, 39-40; n2 p102-3 1965.

TT-66-35577 Field 5A

NORTH VIETNAM: TRANSLATIONS NO. 76. 16 Dec 66, 27p. JPRS-39154.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35577

TT-66-35596 Field 5A

COMMUNIST CHINA: SCIENCE AND TECHNOLOGY TRANSLATIONS NO. 355. 19 Dec 66, 34p. JPRS-39173.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35596

TT-66-35607 Field 5A, 20-

COMMUNIST CHINA: SCIENCE AND TECHNOLOGY TRANSLATIONS NO. 356. 20 Dec 66, 68p, refs. JPRS-39185.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35607

Trans. of Sheng Hsueh Hsueh Pao (Chinese People's Republic) v3 n1 p1-7, 14-26, 34-9, 45-6, 52-4 1966.

TT-66-35612 Field 5A

Kurakov, I. G.; Rachkov, P. A.; Mikulinskii, S. R.; Lyapunov, A. A.; Levada, Yu. A.
PHILOSPHICAL AND APPLIED PROBLEMS OF CONTEMPORARY SCIENCE. 20 Dec 66, 120p, refs. JPRS-39190.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35612

Trans. of Voprosy Filosofii (USSR) n5 p3-50, 62-73, 143-57 1966.

TT-66-35664 Field 5A

Hoang-Minh; Tran Quoc Ai.
NORTH VIETNAM: TRANSLATIONS NO. 77-A. 22 Dec 66, 22p. JPRS-39242.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35664

Trans. from Nhan Dan (North Vietnam) 2 Nov p3; 11 Nov p1, 2, 3 1966.

TT-66-35665 Field 5A

Truong Chinh; Mai Loan Ngoc; Nguyen van Dai; Le Quy Quynh; Trinh Van Chuyen.
NORTH VIETNAM: TRANSLATIONS NO. 77-B.
22 Dec 66, 26p. JPRS-39243.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35665

Trans. of Phu Nu Vietnam (North Vietnam) n174 p3-6, 45 1966 and from Nhan Dan (North Vietnam) 1 Nov p2; 10 Nov p2, 3 1966.

TT-66-35679 Field 5A

Nguyen Nang An; Dang Huy Tuan.
NORTH VIETNAM: TRANSLATIONS NO. 78.
27 Dec 66, 19p, JPRS-39257.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35679

Trans. from Nhan Dan (North Vietnam) 5 Oct p1, 4; 23 Oct p4; 28 Oct p2; 9 Nov p2, 3 1966.

TT-66-35741 Field 5A

Khadzhiolov, A. I.
THE NINTH CONGRESS OF THE BULGARIAN COMMUNIST PARTY AND THE DEVELOPMENT OF NATURAL SCIENCES IN BULGARIA.
29 Dec 66, 12p. JPRS-39319.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35741

Trans. of Priroda (Bulgaria) n5 p3-7 1966.

TT-67-30019 Field 5A, 6M, 6A

Rabotnova, I. L.; Sylakova, G. L.; Terenteva, G. G.
ACTIVITIES OF SOVIET SCIENTIFIC ESTABLISHMENTS: SELECTED ARTICLES. 3 Jan 67, 18p, refs. JPRS-39368.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-30019

TT-67-30020 Field 5A, 5I

Sluchevskii, I. F.; Gerasimov, I.
BIOGRAPHIC SKETCHES OF SOVIET SCIENTISTS I. F. SLUCHEVSKII, A. L. CHIZHEVSKII AND M. L. TSETLIN: SELECTED ARTICLES. 3 Jan 67, 13p. JPRS-39369.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-30020

B. Documentation and information technology

TT-65-50147 Field 5B

INDEX TO PATENT CLASSIFICATION OF THE GERMAN FEDERAL REPUBLIC. 1966, 469p. SFCSI-Comm(TT-65-50147).
Order from CFSTI: $3.00 as TT-65-50147

Trans. of mono. Stichwoerterverzeichnis, Berlin, 1951.
Compiled by the Patent Office of the German Federal Republic.

TT-66-35547 Field 5B

Lopatkin, L.
ORGANIZATION OF THE SCIENTIFIC AND TECHNICAL INFORMATION SERVICE IN THE USSR. 15 Dec 66, 9p. JPRS-39124.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35547

Trans. of Nauka i Tekhnika (Latvian SSR) n6 p10-2 1966.

TT-66-35564 Field 5B

SCIENTIFIC AND TECHNICAL INFORMATION, NO. 8, 1966. 15 Dec 66, 115p, refs. JPRS-39141.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35564

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) n8 48p 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60341-1 Field 5B

NON-ENGLISH TECHNICAL TRANSLATIONS, VOL. I: A THROUGH M. Oct 66, 466p.
Order from CFSTI: HC$3.00, MF$0.65 as PB-173 458-1

Consists of vol. 1 of approximately 9000 entries for translations into languages other than English, collected by the European Translations Centre.

TT-67-60341-2 Field 5B

NON-ENGLISH TECHNICAL TRANSLATIONS, VOL. II: N THROUGH Z. Oct 66, 352p.
Order from CFSTI: HC$3.00, MF$0.65 as PB-173 458-2

Consists of vol. 2 of approximately 9000 entries for translations into languages other than English, collected by the European Translations Centre.

C. Economics

TT-65-32836 Field 5C

EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 245. 11 Oct 65, 46p. JPRS-32346.
Order from CFSTI: HC$3.00, MF$0.65 as TT-65-32836

Trans. of Rabotnichesko Delo (Bulgaria) 31 Aug p2-16 1965 and from Problemi Spoljne Trgovine i Konjukture (Yugoslavia) n1-2 p11-25 1965.

TT-65-33716 Field 5C, 5D

Shimada Masao; Yang Chang-jen Li Chu-ch'en.
COMMUNIST CHINA'S INDUSTRY AND MATERIALS: TRANSLATIONS NO. 96. 3 Dec 65, 20p. JPRS-33140.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-33716

Trans. of Jinmin Chugoku (Japan) n10 p74-9 Oct 5 1965 and from Chung Kuo Hsin Wen (Chinese People's Republic) 24 Sep p14 1965.

TT-66-31798 Field 5C, 8F

Lievano, J. A.; Fajardo, H. S.
ECONOMIC AND GEOGRAPHIC TRANSLATIONS ON LATIN AMERICA NO. 23. The Geography of the Soils of Colombia. 6 May 66, 48p. JPRS-35362.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-31798

Trans. of Sociedad Geografica de Columbia. Boletin, v23 n85 p12-45; n86 p67-77 1965.

TT-66-35238 Field 5C, 2B

NORTH VIETNAM: TRANSLATIONS NO. 68. 25 Nov 66, 57p. JPRS-38814.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35238

Trans. from Nhan Dan (North Vietnam) 21 Oct p1, 3; 23 Oct p1, 2; 30 Oct p1, 2, 4; 31 Oct p1, 2, 3, 4 1966.

TT-66-35300 Field 5C

Faddeev, N.; Vorobev, E.; Kenliz, L.
USSR INTERNATIONAL ECONOMIC RELATIONS NO. 77. 30 Nov 66, 18p. JPRS-38876.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35300

Trans. from Izvestiya (USSR) 3 Nov p2; 16 Sep p1 1966 and of Mirovaya Ekonomika i Mezhdunarodnye Otnosheniya (USSR) n8 p140-3 1966.

TT-66-35314 Field 5C, 9D

Manescu, M.; Ionescu, C.
MODERN CALCULATION AND CYBERNETICS FOR SOLVING PROBLEMS OF ECONOMICS. 30 Nov 66, 23p. JPRS-38890.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35314

Trans. of Studii si Cercetari de Calcul Economic si Cibernetica Economica (Rumania) n1 p7-14, 19-24 1966.

TT-66-35388 Field 5C, 5D

CUBA: TRANSLATIONS NO. 523. 5 Dec 66, 37p. JPRS-38965.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35388

TT-66-35430 Field 5C

Vakulov, A.; Barbashin, M.; Serebryakov, S.
USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 156. 7 Dec 66, 22p. JPRS-39007.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35430

Trans. of Ekonomicheskaya Gazeta (USSR) n38 p33; n39 p14-5 1966 and Materialno-Tekhnicheskoe Snabzhenie (USSR) n2 p89-91 1966.

TT-66-35491 Field 5C

USSR INTERNATIONAL ECONOMIC RELATIONS NO. 80. 13 Dec 66, 83p. JPRS-39068.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35491

TT-66-35495 Field 5C, 5D, 5K

CUBA: TRANSLATIONS NO. 527. 13 Dec 66, 125p. JPRS-39072.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35495

TT-66-35519 Field 5C, 5A

Stania, G.; Skaljak, R.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 635. 13 Dec 66, 24p. JPRS-39096.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35519

Trans. of Aussenhandel und Innerdeutsche Handel (East Germany) n9 p9-12 1966 and Opstina (Yugoslavia) n9 p3-13 1966.

TT-66-35525 Field 5C, 8F

ECONOMIC AND GEOGRAPHIC TRANSLATIONS ON LATIN AMERICA NO. 63. 14 Dec 66, 25p. JPRS-39102.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35525

TT-66-35540 Field 5C

Brendel, G.
EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 314. Current Status of Economic Relations Between GDR and UAR). 14 Dec 66, 9p. JPRS-39117.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35540

Trans. of Aussenhandel und Innerdeutsche Handel (East Germany) n9 p28-31 1966.

TT-66-35552 Field 5C, 5A

Sibinov, E.; Rost, H.
EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 329. 15 Dec 66, 37p. JPRS-39129.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35552

Trans. of Ikonomicheska Misul (Bulgaria) v11 n8 p16-27 1966 and Chemische Technik (East Germany) v17 n10 p588-94 1966.

TT-66-35558 Field 5C, 5I, 5D

CUBA: TRANSLATIONS NO. 530. 15 Dec 66, 46p. JPRS-39135.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35558

TT-66-35585 Field 5C, 5D

AFRICA: TRANSLATIONS NO. 471. 16 Dec 66, 25p. JPRS-39162.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35585

TT-66-35604 Field 5C

ALBANIA: PRESS INFORMATION REPORT NO. 201. 20 Dec 66, 17p. JPRS-39182.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35604

TT-66-35606 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 68. 20 Dec 66, 84p. JPRS-39184.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35606

TT-66-35624 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 638. 21 Dec 66, 66p. JPRS-39202.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35624

TT-66-35633 Field 5C, 5D, 5I

CUBA: TRANSLATIONS NO. 533. 21 Dec 66, 50p. JPRS-39211.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35633

TT-66-35646 Field 5C

Tolkachev, A.; Stepankov, A.; Nikitin, V.; Ovseevich, L.; Pyankov, A.
USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 70. 21 Dec 66, 61p, refs. JPRS-39224.
Order from CFSTI: HC$3.00, MF$0.65 as TT-35646

Trans. of Planovoe Khozyaistvo (USSR) v43 n6 p1-9, 40-7, 53-70, 86-90, 92-5 1966.

TT-66-35670 Field 5C, 5A

Koenig, M.; Focsa, I.; B. A.; Simitciev, A.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 639. 22 Dec 66, 32p. JPRS-39248.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35670

Trans. of Finante si Credit (Rumania) v12 n10 p13-23 1966 and from Savremena Praksa (Yugoslavia) 7 Nov p1, 12 1966.

TT-66-35672 Field 5C

Volodin, A.; Ipateva, T.; Filatov, M.
USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 160. 27 Dec 66, 34p. JPRS-39250.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35672

Trans. of Ekonomicheskaya Gazeta (USSR) n36 p15-6; n37 p3, 9, 16, 19; n43 p14 1966.

TT-66-35678 Field 5C

Kosk, H.
EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 315. Agricultural Commodities Share in Polish Foreign Trade in 1961-1970. 27 Dec 66, 17p. JPRS-39256.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35678

Trans. of Gospodarka Planowa (Poland) n8/9 p23-8 1966.

TT-66-35691 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 71. 28 Dec 66, 45p. JPRS-39269.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35691

TT-66-35702 Field 5C

Kitano, S.; Huang Jung-ch'ang.
COMMUNIST CHINA: ECONOMIC TRANSLATIONS NO. 20. 28 Dec 66, 16p. JPRS-39280.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35702

Trans. of Rajio Gizutsu (Japan) p167-71 Mar 1966 and from Kuang Ming Jih Pao (Chinese People's Republic) 9 Sep p1; 14 Nov p3 1966.

TT-66-35711 Field 5C, 5K, 5D

CUBA: TRANSLATIONS NO. 536. 28 Dec 66, 20p. JPRS-39289.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35711

D. History, law and political science

TT-66-35296 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 915. Report of Japanese Communist Party Central Committee of Tenth JCP Congress. 30 Nov 66, 12p. JPRS-38872.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35296

Trans. from Akahata (Japan) 25 Oct 8p 1966.

TT-66-35321 Field 5D

PRAVDA EDITORIAL (28 NOV 66): TRANSLATIONS NO. 725. A Leninist Tradition. 30 Nov 66, 6p. JPRS-38897.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35321

Trans. from Pravda, Moscow (USSR) 28 Nov p1 1966.

TT-66-35482 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 922. 12 Dec 66, 25p. JPRS-39059.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35482

TT-66-35487 Field 5D

PRAVDA EDITORIALS (6 DEC 1966): TRANSLATIONS NO. 731. 12 Dec 66, 6p. JPRS-39064.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35487

Trans. from Pravda, Moscow (USSR) 6 Dec p1 1966.

TT-66-35494 Field 5D

IRAN: PRESS INFORMATION REPORT NO. 13. 13 Dec 66, 38p. JPRS-39071.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35494

TT-66-35535 Field 5D

CUBA: TRANSLATIONS NO. 529. 14 Dec 66, 117p. JPRS-39112.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35535

Trans. of Gaceta Oficial, Havana (Cuba) 30 Sep p3-53 1966.

TT-66-35557 Field 5D

Mallet R.
AFRICA: TRANSLATIONS NO. 470. 15 Dec 66, 21p. JPRS-39134.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35557

Trans. of Revue de Defense Nationale (France) v22 p1942-55 Dec 1966 and from Horoya (Guinea) 20 Oct p4 1966.

TT-66-35565 Field 5D

Goranov, K.; Petrov, L.; Vegezzi, M.; Beltramini, G.; Murare, T.
INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 924. 15 Dec 66, 46p, refs JPRS-39142.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35565

Trans. of Novo Vreme (Bulgaria) n11 p13-25, 74-85 1966 and Gioventu Rivoluzionaria (Italy) v2 n9/10 p1, 2, 3, 4 1966.

TT-66-35567 Field 5D

PRAVDA EDITORIALS (7, 11-12 DEC 66): TRANSLATIONS NO. 733. 15 Dec 66, 15p. JPRS-39144.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35567

Trans. of Pravda, Moscow (USSR) 7 Dec p1; 11 Dec p1; 12 Dec p1 1966.

TT-66-35576 Field 5D, 5C

NORTH KOREA: TRANSLATIONS NO. 31. 16 Dec 66, 92p. JPRS-39153.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35576

Trans. of Kulloja (North Korea) n9 p2-27, 33-64 1966.

TT-66-35591 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 925. 19 Dec 66, 33p. JPRS-39168.
Order from CFSTI: $3.00, MF$0.65 as TT-66-35591

TT-66-35595 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 926. 19 Dec 66, 44p. JPRS-39172.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35595

TT-66-35613 Field 5D

RED FLAG, NO. 14, 1966: TRANSLATIONS NO. 40. 20 Dec 66, 62p. JPRS-39191.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35613

Trans. of Hung Ch'i (Chinese People's Republic) n14 p1-37 1966.

TT-66-35614 Field 5D

PRAVDA EDITORIALS (15 DEC 66): TRANSLATIONS NO. 734. 20 Dec 66, 9p. JPRS-39192.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35614

Trans. from Pravda, Moscow (USSR) 15 Dec p1 1966.

TT-66-35628 Field 5D, 5C

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35628

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06 BIOLOGICAL AND MEDICAL SCIENCES

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TT-66-15684 Field 6E

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RESULTS WITH INHALATION TEST IN SUSPECTED BACTERIAL AND VIRAL SENSITIZATION IN CASES OF BRONCHIAL ASTHMA. Tr. by J. Chapin. 2 Nov 66, 7p. NIH-11-1-66.
Order from SLA: $1.10 as TT-66-15684

Trans. of Allergie und Asthma (East Germany) v9 n2 p94-8 1963.

TT-66-15707 Field 6E

Roth, M.
VARICOSE HYPERTROPHY OF THE NERVE FIBERS. Tr. by P. Hajdu. 23 Nov 66, 23p, 40refs.
NIH-11-19-66.
Order from SLA: $2.60 as TT-66-15707

Trans. of Virchow's Archiv fuer Pathologische Anatomie und Physiologie und Klinische Medizin (West Germany) v60 n1/2 p196-217 1874.

TT-66-35630 Field 6E, 5I

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 182. 21 Dec 66, 25p. JPRS-39208.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35630

Abstract trans. of Shan Hsi I Hsueh Tsa Chih (Chinese People's Republic) n3 p1-94; n12 p429-67ff 1966.

TT-66-35635 Field 6E, 6M, 6C

VESTNIK OF THE USSR ACADEMY OF MEDICAL SCIENCES, VOL. 21, NO. 9, 1966. 21 Dec 66, 157p, refs. JPRS-39213.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35635

Trans. of Akademiya Meditsinskikh Nauk SSSR, Vestnik, v21 n9 p3-96 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-35641 Field 6E, 6A

Krokhalev, A. A.; Alekseeva, L. A.
CURRENT CONCEPTS OF THE ROLE OF MAGNESIUM IN THE HUMAN BODY AND DISTURBANCES IN ITS METABOLISM. 21 Dec 66, 14p, refs. JPRS-39219.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35641

Trans. of Terapevticheskii Arkhiv (USSR) v38 n10 p9-15 1966.

TT-66-35642 Field 6E

Kirienko, M. G.
STUDY OF MICROELEMENT METABOLISM IN MYOPATHY PATIENTS. 21 Dec 66, 7p, 17refs. JPRS-39220.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35642

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) v66 n11 p1628-31 1966.

TT-66-57002/2 Field 6E, 18B

Zawadowski, W., ed.
POLISH REVIEW OF RADIOLOGY AND NUCLEAR MEDICINE, VOL. 30, NO. 2, 1966. Tr. by E. Paryski and P. Slomski. 1966, 94p, refs.
SFCSI-HEW-NLM(TT-66-57002/2)
Order from CFSTI: $3.00 as TT-66-57002/2

Trans. of Polski Przeglad Radiologii i Medycyny Nuklearnej, v30 n2 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-57006/5 Field 6E

Slopek, S., ed.
ARCHIVUM IMMUNOLOGIAE ET THERAPIAE EXPERIMENTALIS, VOL. 14, NO. 5, 1966. Tr. by Edwin Paryski. 1966, 165p, refs.
SFCSI-HEW-NLM(TT-66-57006/5).
Order from CFSTI: $3.00 as TT-66-57006/5

Trans. of Archivum Immunologiae et Therapiae Experimentalis (Poland) v14 n5 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-57007/6 Field 6E

POLISH MEDICAL JOURNAL, VOL. 5, NO. 6, 1966. 1966, 314p, refs. SFCSI-HEW-NLM(TT-66-57007/6). Order from CFSTI: HC$3.00 as TT-66-57007/6

TT-67-30000 Field 6E

Tatimov, M.
SOME STATISTICAL DATA ON BLINDNESS. 3 Jan 67, 13p, 1ref. JPRS-39349.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-30000

Trans. of Vestnik Statistiki (USSR) n11 p29-36 1966.

TT-67-30004 Field 6E, 5I

Tadzhiev, K.; Savenko, V.
PROBLEMS OF MEDICAL EDUCATION IN TADZHIKISTAN. 3 Jan 67, 7p. JPRS-39353.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-30004

Trans. from Kommunist Tadzhikistana (USSR) n11 p3 Nov 66.

TT-67-30007 Field 6E

Nikitina, L. F.
IMPROVING THE ONCOLOGICAL SERVICE IN THE RSFSR. 3 Jan 67, 8p. JPRS-39356.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-30007

Trans. of Zdravookhranenie Rossiiskoi Federatsii (USSR) v10 n9 p43-5 1966.

TT-67-60374 Field 6E, 6M

Zimin, L. S.; Paradoksov, L. F.; Mekhanikova, B. G.
EPIDEMIC CONJUNCTIVITIS IN TADZHIKISTAN AND THE MARKET FLY (MUSCA SORBENS WD.) AS ITS CARRIER. Tr. by A. K. Rothfield. 1966, 83p (foreign text included). CSIRO-trans-8207.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60374

Trans. of mono. Epidemicheskii Konyunktivig v Tadzhikistane: i Bazarnaya Mukha (Musca Sorbens Wd) Kak Ego Perenoschik, Tadzhikistan, 1947 p7-54.

F. Environmental biology

TT-66-15257 Field 6F

Hase, A.
METHODS FOR EXAMINATION OF PLANT- AND WOOL PROTECTIVE AGENTS. 6p (figs refs omitted).
Order from SLA: $1.10 as TT-66-15257

Trans. of Biologische Bundesanstalt fuer Land- und Forstwirtschaft, Berlin-Dahlen. Mitteilungen (West Germany) n55 p193-203 1937.

H. Food

NCH-206 452 Field 6H

Tokareva, R. R.; Smirova, G. M.; Egorova, L. A.; Kalinina, V. I.
APPLICATION OF FERMENTATIVE PREPARATIONS TO IMPROVE THE QUALITY OF BREAD MADE OF WHEAT FLOUR OF INFERIOR QUALITY (Premenenie Fermentanykh Preparatov dlya Uluchseniya Kachestva Khleba iz Pshenichnoi Muki Ponidzennovo Kachestva). Jul 66, 19p, 5refs. RTS-3274.
Order from NLL: 25s as RTS-3274

Trans. of Vsesoyuznyi Nauchno-Issledovatelskii Institut Khlebopekarnoi Promyshelennosti. Trudy (USSR) n10 p138-47 1963.

NCH-206 517 Field 6H

Danilevich, A. F.
THE RAPID DETERMINATION OF MOISTURE IN COCOA BEANS, NUTS, ALMONDS AND PEANUTS (Uskorennes Opredelenie Vlazhnosti Bobov Kakao, Erekev, Mindalya i Arakhisa). Aug 66, 6p. RTS-2946.
Order from NLL: 7s 6d as RTS-2946

Trans. of Khlebopekarnaya i Konditerskaya Promyshlennost (USSR) v8 n5 p10-2 1964.

NCH-206 534 Field 6H, 7A

Tregubov, N. N.
STARCHES AND MOLASSES INDUSTRY: UNIVERSAL SCHEME FOR WORKING GRAIN INTO STARCH PRODUCTS (Universalnaya Skhema Pererabotki Zernoyo Syrya v Krakhmaloprodukty). Aug 66, 6p. RTS-3640.
Order from NLL: 7s 6d as RTS-3640

Trans. of Sakharnaya Promyshlennost (USSR) v37 n7 p55-8 1962.

TT-66-15270 Field 6H

Elbrachter, A.
SUPPLEMENT TO THE FOOD LAWS. 8p.
Order from SLA: $1.10 as TT-66-15270

Trans. of Presse und Informationsamt der Bundesregierung. Bulletin (West Germany) n218 p2157-60 1958.

TT-66-15717 Field 6H

THE PRODUCTION OF FISH SAUSAGES IN JAPAN. 9p (figs omitted).
Order from SLA: $1.10 as TT-66-15717

Trans. of unidentified Norwegian publication, 1961.

J. Industrial (occupational) medicine

TT-66-15444 Field 6J

Hartmann, K.
CORNEAL DAMAGE FROM TEAR-GAS GUN DISCHARGE AT CLOSE RANGE. 5p (fig omitted) 8refs.
Order from SLA: $1.10 as TT-66-15444

Trans. of Klinische Monatsblaetter fuer Augenheilkunde (West Germany) v125 p475-9 1954.

L. Medical and hospital equipment

TT-66-35634 Field 6L, 6O

USSR MEDICAL INDUSTRY, NO. 8, 1966. 21 Dec 66, 102p, refs. JPRS-39212.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35634

Trans. of Meditsinskaya Promyshlennost SSSR, v20 n8 64p 1966.

For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

M. Microbiology

NCH-206 450 Field 6M, 6E

Kiktenko, V. S.; Ananin, V. V.
LEPTOSPIROSIS IN THE FAR EAST (Leptospiroz na Dalnem Vostoke. Predvaritelnoe Soobshchenie). 1966, 11p. RTS-3493.
Order from NLL: 17s 6d as RTS-3493

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) n12 p72-8 1941.

NCH-206 893 Field 6M

Ananyin, V. V.; Kiktenko, V. S.
A COMPARATIVE STUDY OF STRAINS OF PATHOGENIC LEPTOSPIRA ISOLATED IN THE SOVIET UNION AND ABROAD (Sravnitelnoe Izuchenie Shtammov Patogenikh Leptospir Videlennikh v Sovietskom Soyuzo i za Rubezhom). Sep 66, 13p. RTS-3491.
Order from NLL: 15s as RTS-3491

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v26 n9 p92-7 1955.

NCH-206 942 Field 6M

Sukhanova, K. M.
A MORPHOLOGICAL AND CYTOCHEMICAL STUDY OF PROTOOPALINA INTESTINALIS (Morfologicheskoe i Tsitokhimicheskoe Issledovanie Protoopalina Intestinalis). Jun 66, 14p, 6refs. RTS-2195.
Order from NLL: 22s 6d as RTS-2195

Trans. of Tsitologiya (USSR) v3 n5 p577-85 1961.

TT-66-15316 Field 6M

Arcamone, F.; Di Marco, A.; Gaetani, M.; Scotti, T.
ISOLATION OF AN ANTIBIOTIC FROM STREPTOMYCES SP. AND ITS ANTITUMORIGENIC ACTIVITY. Tr. by H. Warfield. 15 Nov 66, 9p, 6refs. NIH-11-5-66.
Order from SLA: $1.10 as TT-66-15316

Trans. of Giornale di Microbiologia (Italy) v9 n2 p89-90 1961.

TT-66-15319 Field 6M, 6A

Lepine, P.; Sautter, V.
HISTOCHEMICAL STUDY OF LESIONS DUE TO ULTRA-VIRUSES. NUCLEIC ACIDS. Tr. by P. Hajdu. 20 Oct 66, 11p, 9refs. NIH-10-14-66.
Order from SLA: $1.60 as TT-66-15319

Trans. of Institut Pasteur, Paris. Annales (France) v72 p174-83 1946.

TT-66-15462 Field 6M

Viallier, J.; Perrin, L. F.; Cayre, R. M.
IN-VITRO ACTIVITY OF CAPREOMYCIN ON VARIOUS SPECIES OF MYCOBACTERIA. 3p, 1ref.
Order from SLA: $1.10 as TT-66-15462

Trans. of Societe de Biologie et de ses Filiales. Comptes Rendus des Seances (France) v159 n8/9 p1760-2 1965.

TT-66-15494 Field 6M

Yoshikawa, S.
DIFFERENCES BETWEEN ALCOHOL-PROTAMINE TREATED AND STREPTOMYCIN TREATED VIRUSES. 6p, 10refs.
Order from SLA: $1.10 as TT-66-15494

Trans. of Igaku to Seibutsugaku (Japan) v70 n2 p76-81 1965.

TT-66-15685 Field 6M

Sanfilippo, A.; Mazzoleni, R.
ANTIPHAGE ACTIVITY OF THE ANTIBIOTIC DAUNOMYCIN. Tr. by Z. Knowles. 18 Nov 66, 11p, 10refs. NIH-11-8-66.
Order from SLA: $1.60 as TT-66-15685

Trans. of Giornale di Microbiologia (Italy) v12 p83-92 1964.

TT-66-15791 Field 6M, 6O

Bernard, J.; Bunaux, C.
A STUDY OF THE IN-VITRO AND IN-VIVO ANTIBACTERIAL ACTIVITY OF CEPHALORIDINE, AN ANTIBIOTIC FROM THE CEPHALOSPORIN GROUP. 9p, 10refs.
Order from SLA: $1.10 as TT-66-15701

Trans. of Annales Pharmaceutiques Francaises, v23 n11 p637-43 1965.

O. Pharmacology

NCH-206 516 Field 6O

Akopyan, E. Sh.
DISINFECTANT AND STERILISING ACTION OF ETHYLENE OXIDE (Dezinfitsiruyushchee i Sterilizuyushchee Deistvie Okisi Etilena). Aug 66, 18p. RTS-2950.
Order from NLL: 37s 6d as RTS-2950

Trans. of Vsesoyuznyi Nauchno-Issledovatelskii Institut Veterinarnoi Sanitarii i Ektoparazitologii. Trudy (USSR) v22 p43-60 1963.

NCH-206 912 Field 6O

Prokopenko, O. P.; Tarasenko, O. O.
COLORIMETRIC METHOD FOR QUANTITATIVE DETERMINATION OF COUMARINS (Kolorimetrichnii Metod Kilkisnogo Viznachennya Kumariniv). Sep 66, 7p, 22refs. RTS-3437.
Order from NLL: 12s 6d as RTS-3437

Trans. of Farmatsevtychnyi Zhurnal (USSR) n6 p18-22 1962.

TT-66-15249 Field 6O

Joachimoglu, G.
COMPARATIVE STUDIES ON THE ANTISEPTIC ACTION OF SOME CHLORO DERIVATIVES OF METHANE, ETHANE, AND ETHYLENE. 9p, 5refs.
Order from SLA: $1.10 as TT-66-15249

Trans. of Biochemische Zeitschrift (West Germany) v124 p130-6 1921.

TT-66-15345 Field 6O, 6E

Ravina, J. H.
CLINICAL TRIAL OF A NEW SYNTHETIC PROGESTATIONAL AGENT. CHLORMADINONE (Essai Clinique d'un Nouveau Progestatif de Synthese: la Chlormadinone). 7p.
Order from SLA: $1.10 as TT-66-15345

Trans. of la Presse Medicale (France) v74 n1 p13-4 1966.

TT-66-15468 Field 6O

Piekos, R.
BACTERICIDAL PROPERTIES OF ORGANOTIN COMPOUNDS. 7p, 15refs.
Order from SLA: $1.10 as TT-66-15468

Trans. of Farmacja Polska, v21 n7/8 p265-8 1965.

TT-66-15482 Field 6O, 6A

Chambon, Y.; Touret, J. L.
PREGNANCY-SPARING EFFECTS OF DELTA 6, 6-CHLORO-17-ALPHA-ACETOXYPROGESTERONE IN CASTRATED FEMALE RABBITS AND RATS (Action Gestogene de la delta 6, 6-Chloro-17-alpha-Acetoxyprogesterone chez la Lapine et la Ratte Castrees). 10p, 32refs.
Order from SLA: $1.10 as TT-66-15482

Trans. of Annales d'Endocrinologie (France) v26 n3 p333-8 1965.

TT-66-15488 Field 6O

Schneider, C. H.; de Weck, A. L.
CHEMICAL ASPECTS OF PENICILLIN ALLERGY: THE DIRECT FORMATION OF PENICILLOYL DETERMINANTS FROM PENICILLIN. 20p, 9refs.
Order from SLA: $1.60 as TT-66-15488

Trans. of Helvetica Chimica Acta (Switzerland) v49 n5 p1707-14 1966.

TT-66-15583 Field 6O

Guzman Jaso, R.
THE INFLUENCE OF OXYMETALONE ON MALNUTRITION AND ANOREXIA IN INFANTS. 7p (tables omitted).
Order from SLA: $1.10 as TT-66-15583

Trans. of Semana Medica de Mexico, v27 p297-300 1960.

TT-66-15603 Field 6O

Bernard, J.; Bunaux, C.
ANTIBACTERIAL ACTIVITY OF CEPHALORIDINE, AN ANTIBIOTIC DERIVED FROM CEPHALOSPORIN C. 2p.
Order from SLA: $1.10 as TT-66-15603

Trans. of Societe de Biologie et des ses Filiales. Comptes Rendus des Seances (France) v159 n6 p1365-6 1965.

TT-66-15604 Field 6O

Klosa, J.
THE POSSIBILITIES OF TRANSFORMATION OF 2-PHENYL INDANDIONE-(1,3). 4p (figs refs omitted).
Order from SLA: $1.10 as TT-66-15604

Trans. of Archiv der Pharmazie (West Germany) v287 n6 p323-6 1954.

TT-66-15691 Field 6O

Martinez-Manautou, J.; Maqueo, M.
RESULTS OF THE CLINICAL INVESTIGATION OF THE 6-CHLORO DERIVATIVES OF 17-ALPHA-ACETOXYPROGESTERONE. 15p, 10refs.
Available on loan from SLA as TT-66-15691

Trans. of Sociedad Mexicana de Nutricion y Endocrinologia. Reunion Annal (no. 1) San Miguel Allende, Dec. 60. Memoria, n.p., n.d. p37-50.
Annual Meeting of the Mexican Society of Nutrition and Endocrinology (no. 1).

TT-66-15693 Field 6O

Salgueiro-Celis, E.
NEW DRUG FOR THE TREATMENT OF PULMONARY TUBERCULOSIS--CAPREOMYCIN. 7p, 1ref.
Order from SLA: $1.10 as TT-66-15693

Trans. of Prensa Medica (Bolivia) v16 p108ff 1964.

TT-66-15700 Field 6O, 6E

Carlos Rey, J.; Maria Leston, J.; Julio Gonzalez, L.; Iannello, J.
CAPREOMYCIN. CLINICAL TRIAL IN PATIENTS WITH TUBERCULOSIS TREATED FOR THE FIRST TIME. 6p, 9refs.
Order from SLA: $1.10 as TT-66-15700

Trans. of Asociacion Medica Argentina, Buenos Aires. Revista, v80 n6 p273-6 1966.

TT-66-35483 Field 6O, 5J

Meerson, F. Z.; Kruglikov, R. I.; Goryacheva, I. A.
EFFECT OF ACTINOMYCIN 2703 ON THE STABILIZATION OF CONDITIONED REFLEXES AND THE TRANSITION FROM SHORT-TERM TO LONG-TERM MEMORY. 12 Dec 66, 7p, 16refs. JPRS-39060.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35483

Trans. of Akademiya Nauk SSSR. Doklady (USSR) v170 n3 p741-4 1966.

TT-66-35650 Field 6O, 6L

USSR MEDICAL INDUSTRY, NO. 9, 1966. 22 Dec 66, 106p (figs omitted) refs. JPRS-39228.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35650

Trans. of Meditsinskaya Promyshlennost SSSR, v20 n9 64p 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

P. Physiology

NCH-205 906 Field 6P

Shirokaya, V. M.
THE SPECIAL FEATURES OF ADAPTATION OF INTEROCEPTORS IN THE STOMACH (Ob Osobonnostyak Adaptatsii Interoseptorov Zheludka). Oct 66, 9p, 18refs. RTS-3484.
Order from NLL: 17s 6d as RTS-3484

Trans. of Fiziologicheskii Zhurnal SSSR, v37 n5 p606-13 1951.

NCH-206 914 Field 6P

Viller, G. E.
ON THE METHOD OF DETERMINING THE TOTAL LEAD IN URINE (K Metodike Opredeleniya Obshchevo Sbintsa v Moche). Sep 66, 4p. RTS-3401.
Order from NLL: 5s as RTS-3401

Trans. of Buryatskii Kompleksnyi Nauchno-Issledovatelskii Institut, Ulan-Ude. Informatsionyi Byulleten (USSR) n2 p116-7 1963.

TT-66-15487 Field 6P, 6A

Lasso, L. H.
CLINICAL RESULTS OF THE ADMINISTRATION OF 2-HYDROXYMETHYLENE 17C-METHYL-DIHYDROTESTOSTERONE (OXYMETHALONE) AS AN ANABOLIC AGENT. 26p (1 table omitted) 16refs.
Order from SLA: $2.60 as TT-66-15487

Trans. of Prensa Medica Mexicana, v25 n5 p255-62 1960.

TT-66-15640 Field 6P

Sandritter, W.; Schiemer, H. G.; Kraus, H.; Doerrien, U.
INTERFERENCE MICROSCOPICAL INVESTIGATIONS OF THE GROWTH OF SINGLE CELLS (HeLa-CELLS) IN THE TISSUE CULTURE (Interferenzmikroskopische Untersuchungen ueber das Wachstum von Einzelzellen (HeLa-Zellen) in der Gewebekultur). Tr. by E. K. Wilp. July 65, 39p, 77refs. ANL-Trans-219.
Order from SLA: $3.60 as TT-66-15640

Trans. of Frankfurter Zeitschrift fuer Pathologie (West Germany) v70 p271-99 1960.

TT-66-15690 Field 6P

Thorbecke, G. J.; Hurlimann, J.
THE SECONDARY LYMPHOID NODULES. 13p, 62refs. ORNL-tr-806.
Order from SLA: $1.60 as TT-66-15690

Trans. of Nouvelle Revue Francaise d'Hematologie, v5 n3 p385-92 1965.

TT-66-35649 Field 6P, 6A, 6H, 6E

VESTNIK OF THE USSR ACADEMY OF MEDICAL SCIENCES, VOL. 21, NO. 10, 1966. 22 Dec 66, 126p, refs. JPRS-39227.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35649

Trans. of Akademiya Meditsinskikh Nauk SSSR, Vestnik, v21 n10 p2-87 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-35766 Field 6P, 5I

Dzhafarov, M. A.
ELECTROMECHANICAL MODEL OF MAN'S MUSCLES AND ITS USE IN PROGRAMMED TEACHING. 30 Dec 66, 8p, (figs omitted) 2refs. JPRS-39344.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35766

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) n9 p112-5 1966.

TT-66-57003/1 Field 6P, 6C

FOLIA MORPHOLOGICA, VOL. 25, NO. 1, 1966. Tr. by E. Paryski. 1966, 151p, refs. SFCSI-HEW-NLM(TT-66-57003/1).
Order from CFSTI: $3.00 as TT-66-57003/1

Trans. of Folia Morphologica (Poland) v25 n1 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

Q. Protective equipment

TT-66-35703 Field 6Q, 2A

Kobrits, G.
PROTECTIVE MASKS AVAILABLE FOR AGRICULTURAL WORKERS IN USSR DESCRIBED. 28 Dec 66, 6p. JPRS-39281.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35703

Trans. of Zashchita Rastenii ot Vreditelei i Boleznei (USSR) n9 p30-2 1966.

R. Radiobiology

TT-66-15210 Field 6R

Perey, M.; Chevallier, A.; Lausecker, C.
THE FIXATION OF AcK,134Cs, AND 86Rb IN EXPERIMENTAL SARCOMATA AND GRANULOMATA IN THE RAT. Apr 66, 6p, 4refs. UCRL-Trans-10035.
Order from SLA: $1.10 as TT-66-15210

Trans. of Societe de Biologie et de ses Filiales. Comptes Rendus des Seances (France) v146 n13 p1141-3 1952.

TT-66-15412 Field 6R

Shinoda, M.; Takagi, Y.; Tamaoki, B.
EFFECT OF SALIVA-PAROTIN-A UPON THE LEUKOPENIA OF RABBITS CAUSED BY X-IRRADIATION. 9p, 18refs. NSJ-Tr27.
Order from SLA or ETC: $1.10 as TT-66-15412

Trans. of Nihon Igaku Hoshasen Gakkai Zasshi (Japan) v23 n2 p225-30 1963.

TT-66-15414 Field 6R

Arai, T.
CLINICAL APPLICATION OF FLUOROD DOSIMETRY. 50p, 56refs. NSJ-Tr25.

Order from SLA or ETC: $4.60 as TT-66-15414

Trans. of Nihon Igaku Hoshasen Gakkai Zasshi (Japan) v23 n6 p753-72 1963.

TT-66-15416 Field 6R

Borriss, E.; Koch, G.
INTERRELATIONS BETWEEN p(32)-LABELED RIBONUCLEIC ACID AND SUSPENDED TISSUE CULTURE CELLS. II: TRANSITION FROM AN RNASE-SENSITIVE TO A RNASE-RESISTANT STATE. 6p, 3refs. ORNL-tr-367.
Order from SLA: $1.10 as TT-66-15416

Trans. of Zeitschrift fuer Naturforschung (West Germany) v19b p688-90 1964.

TT-66-35740 Field 6R

Furnica, Gh.; Racoveanu, N.
RADIOTOXICOLOGICAL ASPECTS OF RADIOACTIVE CONTAMINATION. 29 Dec 66, 15p, refs. JPRS-39318.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35740.

Trans. of Igiena (Rumania) v15 n10 p577-87 1966.

TT-67-30042 Field 6R

Zamfir, C.; Herscovici, H.; Cioba, G.; Andronie, C.
PROBLEMS OF RADIATION SICKNESS PROPHYLAXIS AND TREATMENT. 4 Jan 67, 15p, refs. JPRS-39391.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-30042

Trans. of Revista Sanitara Militara (Rumania) n6 p939-48 1966.

TT-67-60218 Field 6R, 18F

Bobkov, V. G.; Demin, V. P.; Keirim-Markus, I. B.; Kovalev, E. E.; Larichev, A. V.
RADIATION SAFETY DURING SPACE FLIGHTS. May 66, 422p, refs. NASA-TT-F-356; N66-27487.
Order from CFSTI: HC$3.00, MF$0.65 as N66-27487

Trans. of mono. Radiatsionnaya Bezopasnost pri Kosmicheskikh Poletakh, Moscow, 1964 368p.

TT-67-60346 Field 6R, 6J

Monaenkova, A. M.; Sadchikova, M. N.
HEMODYNAMIC INDICES DURING THE ACTION OF SUPER-HIGH FREQUENCY ELECTROMAGNETIC FIELDS (Gemodinamicheskie Pokazateli pri Vozdeistvii Elektromagnitnykh Polei Sverkhvysokikh Chastot). Tr. by Sheila Penners. 5 Oct 66, 8p, 3refs. ATD-66-123; AD-644 533.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 533

Trans. of Gigiena Truda i Professionalnye Zabolevaniya (USSR) v10 n7 p18-21 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60347 Field 6R, 6J, 17B

Fukalova, P. P.; Tolgskaya, M. S.; Nikogosyan, S. V.; Kitsovakaya, I. A.; Zenina, I. N.
RESEARCH DATA ON THE STANDARDIZATION OF ELECTROMAGNETIC FIELDS IN THE SHORT AND ULTRASHORT WAVE RANGES (Materialy Issledovanii k Normirovaniyu Elektromagnitnykh Polei Diapozona Korotkikh i Ultrakorotkikh Voln). Tr. by Sheila R. Penners. 27 Sep 66, 13p, 18refs. ATD-66-126; AD-644 537.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 537

Trans. of Gigiena Truda i Professionalnye Zabolevaniya (USSR) v10 n7 p5-9 1966.
For another listing of this journal see 'Translated or Abstracted Publications', in TT Vol. 16, No. 4.

S. Stress physiology

TT-66-35500 Field 6S

Gorbov, F. D.; Kosmolinskii, F. P.; Myasnikov, V. I.
EFFECT OF HIGH AND LOW AFFERENTATION ON HUMAN ORGANISM FROM VIEWPOINT OF SPACE PSYCHOPHYSIOLOGY. 13 Dec 66, 7p, 15refs. JPRS-39077.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35500

Trans. of Voprosy Psikhologii (USSR) n5 p67-71 1966.

T. Toxicology

TT-66-15439 Field 6T

Moussu; Desaint.
POISONING OF SHEEP BY GALEGA OFFICINALIS. 6p.
Order from SLA: $1.10 as TT-66-15439

Trans. of Recueil de Medicine Veterinaire (France) v74 p562-9 1907.

TT-66-15582 Field 6T, 6J

Bokhoven, C.
DISCONTINUOUS AND CONTINUOUS ANALYTICAL METHODS FOR THE DETECTION AND DETERMINATION OF GASEOUS ATMOSPHERIC POLLUTANTS IN FACTORY ROOMS. 16p (some figs omitted) 13refs.
Order from SLA: $1.60 as TT-66-15582

Trans. of Chemisch Weekblad (Netherlands) v61 n12 p133-9 1965.
Paper presented at the Symposium "Measurement of Small Concentrations of Toxic Substances" sponsored by the Society of Netherland Chemical Industry and the Royal Netherlands Chemical Society, Utrecht, 14 Oct 64.

TT-66-15716 Field 6T

Sachs, V.
CARBON MONOXIDE DETERMINATION BY CHROMOMETRIC GAS ANALYSIS. 2p (figs refs omitted).
Order from SLA: $1.10 as TT-66-15716

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07 CHEMISTRY

A. Chemical engineering

NCH-206 528 Field 7A

Rodinov, A. I.; Kashnikov, A. M.; Radikovskii, V. M.
DETERMINATION OF THE INTERPHASE SURFACE AREA IN THE GAS-LIQUID SYSTEM ON CONTACT PLATES (Opredelenie Mezhfaznoi Poverkhnosti v Sisteme Gaz-zhidkost na Kontaktnykh Tarelkakh). Aug 66, 16p, 27refs. RTS-3487.
Order from NLL: 14s 6d as RTS-3487

Trans. of Khimicheskaya Promyshlennost (USSR) n10 p737-41 1964.

NCH-206 535 Field 7A

Bryzgalov, I. I.
PRODUCTION OF FURFURAL AT HYDROLYSIS FACTORIES (Proizvodstve Furfurola na Gidroliznykh Zavedakh). Aug 66, 9p. RTS-3004.
Order from NLL: 7s 6d as RTS-3004

Trans. of Gidroliznaya i Lesokhimicheskaya Promyshlennost (USSR) v17 n8 p6-8 1964.

NCH-206 538 Field 7A

Zinina, M. A.; Dushin, V. A.
PRODUCTION OF FURFURAL FROM DECCAN HEMP SHIVES (Poluchenie Furfurola iz Kostry Kenafa). Jun 66, 6p. RTS-3265.
Order from NLL: 10s as RTS-3265

Trans. of Gidroliznaya i Lesokhimicheskaya Promyshlennost (USSR) v18 n5 p21-2 1965.

NCH-206 949 Field 7A, 20M

Varshnei, B. S.
AN INVESTIGATION OF THE HEAT TRANSFER INTENSITY DURING SURFACE BOILING OF WATER AND PROPYL ALCOHOL IN TUBES. Sep 66, 23p. RTS-3287.
Order from NLL: 37s 6d as RTS-3287

Trans. of mono. Issledovanie Intensivnosti Teploobmena pri Poverkhnostnom Kipenii Vody i Propilovogo Spirta v Trubakh, n.p., 1964 15p.

TT-66-14876 Field 7A

Altshuler, V. S.; Shafir, G. S.
MANUFACTURE OF LOWER OLEFINS BY THE TREATMENT OF HYDROCARBON GASES IN ELECTRIC MICRODISCHARGES. 11p, 3refs.
Order from SLA: $1.60 as TT-66-14876

Trans. from mono. Gasifikatsiya i Piroliz Topliv. Sbornik Statei, Moscow, 1964 p125-9.
Gasification and Pyrolysis of Fuels.

TT-66-15208 Field 7A

SPECIFICATIONS FOR COMPRESSED GASES. 2p, 1ref.
Order from SLA: $1.10 as TT-66-15208

Trans. of Technische Ueberwachung (West Germany) v6 n7 p256 1965.

TT-66-15271 Field 7A, 13H

Kirschbaum, E.
THE PROBLEM OF SPRAY DRYING (Le Probleme du Sechage par Pulverisation). 24p (foreign text included) 6refs.
Order from SLA: $2.60 as TT-66-15271

Trans. of Bulletin Technique Vevey (Switzerland) n1 p21-7 1950.

TT-66-15288 Field 7A

Goutal, M. E.
THE PREPARATION OF SYNTHETIC PETROLEUM BY THE ANDRY-BOURGEOIS AND OLIVIER PROCESS. 11p.
Order from SLA: $1.60 as TT-66-15288

Trans. of Chaleur et Industrie (France) v5 suppl. p90-6 1924.

TT-66-15289 Field 7A

Dupuy, H.
A PROCESS AND APPARATUS FOR DISTILLATION. VALORIZATION OF SEMI-COKE BY PREVIOUS GRINDING (Un Procede et un Appareil de Distillation. Valorisation du Semi-Coke par Moulage Prealable). 11p (foreign text included).
Order from SLA: $1.10 as TT-66-15289

Trans. of Chaleur et Industrie (France) v7 p183-6 1926.

TT-66-15301 Field 7A

Nakamura, Y.
PROPERTIES OF A BASIC TYPE OF SULFONIUM ION EXCHANGE RESIN. 12p (foreign text included) 8refs.
Order from SLA: $1.60 as TT-66-15301

Trans. of Kogyo Kagaku Zasshi (Japan) v59 n7 p853-5 1956.

TT-66-15339 Field 7A

Rosset, R.
THE PROPERTIES AND APPLICATIONS OF COMPLEXING RESINS. 13p, 43refs.
Order from SLA: $1.60 as TT-66-15339

Trans. of Commisariat a l'Energie Atomique. Bulletin d'Information Scientifique et Technique (France) n85 p13-25 1964.

TT-66-15374 Field 7A

Gregorig, R.
FILM CONDENSATION ON FINNED SURFACES WITH SURFACE TENSION BEING TAKEN INTO ACCOUNT. 28p, 3refs. ORNL-tr-189.
Order from SLA: $2.60 as TT-66-15374

Trans. from mono. Grundlagen der Chemischen Technik. Verfahrenstechnik der Chemischen und Verwandten Industrien. Bd 4. Waermeaustauscher, Berechnung, Konstruktion, Betrieb, Wirtschaftlichkeit, Aarau and Frankfurt/Main, 1959 p174-92.
Principles of Chemical Technology. Process Techniques of the Chemical and Applied Industries. Vol. 4. Heat Transfer, Design - Construction Operation - Management.

TT-66-15472 Field 7A

Lodes, A.; Bena, J.
ON THE DETERMINATION OF PARTICLE SIZES BY MEANS OF SEPARATOR TUBES. 8p (refs omitted).
Order from SLA: $1.10 as TT-66-15472

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TT-66-15501 Field 7A

Burykina T. N.; Bokova, R. G.
EXTRACTION OF RARE EARTH ELEMENTS FROM DILUTE SOLUTIONS BY MEANS OF ION EXCHANGE (Izvlechenie Redkozemelnykh Elementov iz Razbavlennykh Rastvorov Metodom Ionnogo Obmena). 17p (foreign text included) 4refs.
Order from SLA: $1.60 as TT-66-15501

Trans. in manuscript of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Institut Metallurgii i Obogashcheniya. Trudy, v17 p125-8 1966.

TT-66-15502 Field 7A

Milusheva, M. A.; Dadabaev, A. Yu.; Mokryshev, A. I.; Khobdabergenov, R, Zh.
REFINING INDUSTRIAL DISCHARGE WATERS FROM CADMIUM, ZINC AND THALLIUM BY MEANS OF IONITES (Ochistka Promyshlennykh Stochnykh Vod ot Kadmiya, Tsinka, Talliya s Pomoshchyu Ionitov). 27p (foreign text included) 6refs.
Order from SLA: $2.60 as TT-66-15502

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TT-66-15529 Field 7A

Vojtech, F.
AUTOMATIC APPARATUS FOR ELEMENTAL ANALYSIS. 11p, 13refs.
Order from SLA: $1.50 as TT-66-15529

Trans. of Chemicky Prumysl (Czechoslovakia) v8 n12 p633-6 1958.

TT-66-15536 Field 7A

Havel, S.; Greschner, J.
STUDY OF THE EXPLOSIVE PROPERTIES OF ACETIC HYDROPEROXIDE. II. DETONATION TESTS WITH ACETIC HYDROPEROXIDE. 14p, 4refs.
Order from SLA: $1.60 as TT-66-15536

Trans. of Chemicky Prumysl (Czechoslovakia) v16 n4 p203-6 1966.

TT-66-15537 Field 7A

Kropf, H.
ALCOHOLS AS PETROCHEMICALS. 23p, 30refs.
Order from SLA: $2.60 as TT-66-15537

Trans. of Chemie-Ingenieur-Technik (West Germany) v38 n8 p837-45 1966.

TT-66-15566 Field 7A

Kashirskii, V. G.
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Order from SLA: $1.10 as TT-66-15566

Trans. of Zhurnal Prikladnoi Khimii (USSR) v39 n4 p829-33 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15567 Field 7A

Grigorev, G. P.; Vasileva, T. M.; Vlasova, K. I.; Kunina, A. I.
THE SURFACE-ACTIVE PROPERTIES OF LIGNOSULFONATES. 5p, 6refs.
Order from SLA: $1.10 as TT-66-15567

Trans. of Zhurnal Prikladnoi Khimii (USSR) v39 n3 p716-9 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15568 Field 7A

Muzyka, I. D.
THE APPLICATION OF POLYACRYLAMIDE IN THE PURIFICATION OF CHROMIUM SALTS BY THE FERROCYANIDE METHOD. 11p, 13refs.
Order from SLA: $1.60 as TT-66-15568

Trans. of Zhurnal Prikladnoi Khimii (USSR) v38 n12 p2734-9 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15674 Field 7A

Robel, H.; Guentzschel, P.
ON THE MODEL LAW FOR FILTRATION AND DETERMINATION OF THE FILTRATION RATE ON THE BASIS OF PERMEABILITY TESTS. 18p, 7refs. ORNL-tr-743.
Order from SLA: $1.60 as TT-66-15674

Trans. of Chemische Technik (East Germany) v17 n1 p17-21 1965.

TT-66-15689 Field 7A

Golubev, I. F.; Dobrovolskii, O. A.
MEASUREMENT OF THE DENSITY OF NITROGEN AND HYDROGEN AT LOW TEMPERATURES AND HIGH PRESSURES BY THE METHOD OF HYDROSTATIC WEIGHING. Tr. by J. E. Baker. Dec 65, 17p, 13refs. NP-tr-1365.
Order from SLA: $1.60 as TT-66-15689

Trans. of Gazovaya Promyshlennost (USSR) v9 n5 p43-7 1964.

TT-66-15719 Field 7A

Menges, G.
EXAMPLES OF STRESS ANALYSIS OF DESIGNS OF POLYPROPYLENE CHEMICAL EQUIPMENT. 23p, 21refs.

Order from SLA: $2.60 as TT-66-15719

Trans. of Zeitschrift fuer Schweisstechnik (Switzerland) v55 n4 p123-34 1965.

TT-66-35600 Field 7A, 11F

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 330. 19 Dec 66, 31p. JPRS-39177.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35600

TT-66-35674 Field 7A, 13I

USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 29. 27 Dec 66, 30p. JPRS-39252.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35674

TT-66-35689 Field 7A

Hou Te-pang; Hu Hsien-keng.
COMMUNIST CHINA: SCIENCE AND TECHNOLOGY TRANSLATIONS NO. 358. The Four Acids and the Three Alkalines. 28 Dec 66, 93p (figs omitted). JPRS-39267.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35689

Trans. of mono. Szu Suan San Hsien, Peiping, 1966 153p.

TT-67-30003 Field 7A

Glushkov, V.; Melnichenko, Yu.
EFFICIENT WAYS OF CONDUCTING MAJOR REPAIRS IN THE CHEMICAL INDUSTRY. 3 Jan 67, 5p. JPRS-39352.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-30003

Trans. from Rabochaya Gazeta (USSR) 27 Nov p2 1966.

TT-67-60391 Field 7A

Gryaznov, B. V.; Voznesenskaya, E. V.; Orlova, N. G.
EFFECT OF DILUTION AND COOLING CONDITIONS ON THE FILTRATION OF LUBRICATING OIL RAFFINATES. Tr. by J. A. Collins. 1966, 15p (foreign text included) refs. CSIRO-trans-7819.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60391

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v10 n6 p29-34 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

B. Inorganic chemistry

TT-66-15296 Field 7B

Sakai, W.; Seiyama, T.; Tsuzumi, K.
ON THE EQUILIBRIUM OF THE Na2SO4-HCl-NaCl-H2SO4-H2O SYSTEM. I. PREPARATION OF THE PHASE DIAGRAM OF A FOUR-COMPONENT SYSTEM. 8p (foreign text included) 3refs.
Order from SLA: $1.10 as TT-66-15296

Trans. of Kogyo Kagaku Zasshi (Japan) v53 n8 p328-9 1950.

TT-66-15309 Field 7B

Moenke, H.
INFRARED ABSORPTION SPECTROPHOTOMETRY AND SILICATE RESEARCH. 17p, 46refs.
Order from SLA: $1.60 as TT-66-15309

Trans. of Silikat Technik (East Germany) v12 n7 p323-7 1961.

TT-66-15310 Field 7B, 7E, 13C

Wittmann, F.; Pobell, F.; Wiedemann, W.
EXAMINATION OF THE HYDRATION OF IRON-CONTAINING CLINKER COMPONENTS BY THE HELP OF THE MOESSBAUER EFFECT. 9p, 9refs.
Order from SLA: $1.10 as TT-66-15310

Trans. of Zeitschrift fuer Angewandte Physik (West Germany) v19 n4 p281-4 1965.

TT-66-15311 Field 7B, 13C

Kuznetsova, G. N.; Fedorov, N. F.; Shevyakov, A. M.
INFRARED TRANSMISSION SPECTRA OF CEMENT CLINKER MINERALS AND SOME OF THEIR HYDRATION PRODUCTS. 9p, 10refs.
Order from SLA: $1.10 as TT-66-15311

Trans. of Zhurnal Prikladnoi Khimii (USSR) v37 n12 p2585-90 1964.

TT-66-15313 Field 7B, 13C

Lavanant, F.
CONTRIBUTION TO THE STUDY OF SOME HYDRATED CALCIUM ALUMINATES. 51p.
Order from SLA: $5.60 as TT-66-15313

Trans. of Revue des Materiaux de Constructions et de Travaux Publics, Ed. C (Ciments et Betons) (France) n593 p80-7; n595 p193-207 1965 also published in Centre d'Etudes et de Recherches de l'Industrie des Liants Hydrauliques. Publication Technique (France) n163 p35-91 1965.
Partial trans. of n593 p80-7.

TT-66-15340 Field 7B, 7D

Kemula, W.; Kublik, Z.; Taraszewska, J.
ELECTROLYTIC ACCUMULATION AND DETERMINATION OF SMALL AMOUNTS OF IONS OF Cl-, Br-, AND I-. 8p, 9refs.
Order from SLA: $1.10 as TT-66-15340

Trans. of Chemia Analityczna (Poland) v8 n2 p171-8 1963.

TT-66-15360 Field 7B

Fischer, W.; Steinruecken, D.
THE BEHAVIOR OF DEFINITE NITRIDES IN TITANIUM AND ZIRCONIUM BY THE DETERMINATION OF NITROGEN. Tr. by W. E. Dallmann. 21p,

10refs.
Order from SLA: $2.60 as TT-66-15360

Trans. from mono. Nitrogen in Metals, Berlin, 1965 p81-9.

TT-66-15369 Field 7B

Noddack, I.
ELEMENT 93. Tr. by J. B. Sykes. Nov 65, 7p, 6refs. NP-tr-1325.
Order from SLA: $1.10 as TT-66-15369

Trans. of Angewandte Chemie (West Germany) v47 p653-5 1934.

TT-66-15387 Field 7B

Kyrs, M.; Caletka, R.; Selucky, P.
IMPROVED EXTRACTIVE SEPARATION OF URANIUM AND ZIRCONIUM BY USING ZIRCONIUM-MASKING REAGENTS. Tr. by A. Cornell. Feb 65, 11p, 14refs. AI-Trans-74.
Order from SLA: $1.60 as TT-66-15387

Trans. of Collection of Czechoslovak Chemical Communications, v28 p3337-44 1963.

TT-66-15388 Field 7B

Toth, L. Nowotny, H.; Benesovsky, F. ; Rudy, E.
THE TERNARY SYSTEM: URANIUM-BORON CARBON. Tr. by A. Cornell. Mar 65, 10p, 14refs. AI-Trans-81.
Order from SLA: $1.10 as TT-66-15388

Trans. of Monatshefte fuer Chemie (Austria) v92 p794-802 1961.

TT-66-15394 Field 7B

Collongues, R.; Gilles, J. C.; Lejus, A. M.
ACTION OF AMMONIA ON DIFFERENT SUPER-REFRACTORY OXIDES. (Action de l'Ammoniac sur d Differents Oxydes Super-Refractaires). Tr. by M. I. Weinreich. 1 Sep 64, 12p, 6refs. SC-T-64-1607.
Order from SLA: $1.60 as TT-66-15394

Trans. of Societe Chimique de France. Bulletin, p2113-7 1962.

TT-66-15405 Field 7B, 7D

Beran, P.; Burian, M.; Dolezal, J.
OSCILLOGRAPHIC BEHAVIOR AND DETERMINATION OF RUTHENIUM AND OSMIUM (Das Oszillographische Verhalten und die Bestimmung von Ruthenium und Osmium). Tr. by R. Addis. Sep 64, 22p (refs omitted). UCRL-Trans-1117 (L).
Order from SLA: $2.60 as TT-66-15405

Trans. of Journal of Electroanalytical Chemistry (Netherlands) v4 p105-15 1962.

TT-66-15406 Field 7B, 7D

Gossel, H.
THE PROBLEM OF EXCESS OXYGEN IN NICKEL OXIDE. PT. I: EXPERIMENTAL RESULTS (Zur Frage des Ueberstoechiometrischen Sauerstoffe im Nickeloxyd. Teil I: Experimentelle Ergebnisse). Tr. by S. Shewchuck. May 64, 20p (foreign text included) 3refs. UCRL-Trans-1074(L).
Order from SLA: $1.60 as TT-66-15406

Trans. of Zeitschrift fuer Elektrochemie (West Germany) v65 p98-102 1961.

TT-66-15453 Field 7B

Sedlatschek, K.
ON REACTIONS OF SOLID SUBSTANCES. COMMUNICATION NO. 129. INVESTIGATIONS ON THE REDUCIBILITY OF IRON OXIDE WITH HYDROGEN ON ADDITION OF SMALL AMOUNTS OF FOREIGN GASES. 24p, 10refs.
Order from SLA: $2.60 as TT-66-15453

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v250 p23-35 1942.

TT-66-15489 Field 7B

Menzel, H.
THE SOLID ALKALI MONO- AND POLY-BORATES, PT. III. 15p, 7refs.
Order from SLA: $1.60 as TT-66-15489

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v166 p80-90 1927. Partial trans. of p63-98.

TT-66-15541 Field 7B

Souchay, P.; Herve, G.
REDUCTION OF SILICO-12-TUNGSTIC ACID. 7p, 4refs.
Order from SLA: $1.10 as TT-66-15541

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v261 n13 p2486-9 1965.

TT-66-15547 Field 7B, 7C

Lebedeva, A. I.; Fedorova, E. F.
MICROANALYSIS OF ORGANOMERCURY COMPOUNDS. I: DETERMINATION OF CARBON, HYDROGEN, ADD MERCURY IN ORGANIC COMPOUNDS THAT DO NOT CONTAIN HALOGEN. 9p, 17refs.
Order from SLA: $1.10 as TT-66-15547

Trans. of Zhurnal Analiticheskoi Khimii (USSR) v16 n1 p87-90 1961.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15548 Field 7B

Nagatani, M.; Seiyama, T.
EFFECTS OF MOISTURE AND THERMAL CYCLING ON THE PHASE-TRANSITION OF AMMONIUM NITRATE. 13p, 7refs.
Order from SLA: $1.60 as TT-66-15548

Trans. of Kogyo Kagaku Zasshi (Japan) v67 n12 p2010-4 1964.

TT-66-15551 Field 7B, 7C

Binkowski, J.; Bobranski, B.
SIMULTANEOUS DETERMINATION OF CARBON AND PHOSPHORUS IN ORGANIC COMPOUNDS BY A WET METHOD. 10p, 12refs.
Order from SLA: $1.10 as TT-66-15551

Trans. of Chemia Analityczna (Poland) v9 n4 p777-82 1964.

TT-66-15564 Field 7B

Revelskii, I. A.; Borodulina, R. I.; Sovakova, T. M.; Klimova, V. G.
A RAPID METHOD FOR DETERMINING THE NUMBER OF CARBON AND HYDROGEN ATOMS IN MOLECULES OF GASEOUS COMPOUNDS. 9p, 6refs.
Order from SLA: $1.10 as TT-66-15564

Trans. of Akademiya Nauk SSSR. Doklady, v159 n4 p861-4 1964.

TT-66-15612 Field 7B

Achard, J. -C.
DRY-METHOD SEPARATION OF SOME RARE EARTH ELEMENTS: YTTERBIUM. Tr. by M. Gerrard. 3p, 5refs. ORNL-tr-812.
Order from SLA: $1.10 as TT-66-15612

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v244 p3059-62 1957.

TT-66-15672 Field 7B

Iandelli, A.
MX_2-COMPOUNDS OF THE ALKALINE EARTH AND RARE EARTH METALS WITH GALLIUM, INDIUM AND THALLIUM (MX_2-Verbindungen der Erdalkali - und Seltenen Erdmetalle mit Gallium Indium und Thallium). Tr. by J. L. Burnett. July 65, 18p, 15refs. ORNL-tr-732.
Order from SLA: $1.60 as TT-66-15672

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v330 p221-32 1964.

TT-66-15698 Field 7B, 11B

Halberstadt, J.
DIFFUSION OF SILVER AND COPPER IN GLASS (Ueber die Diffusion von Silber und Kupfer in Glas). 21p (foreign text included) 13refs.
Order from SLA: $2.60 as TT-66-15698

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v211 p185-94 1933.

TT-66-15713 Field 7B

Kamenetskii, M. V.
THE TERNARY SYSTEM NaCl - KCl - TiC13 (Issledovanie Troinoi Sistemy NaCl - KCl - TiC13). 26p (foreign text included) 13refs.
Order from SLA: $2.60 as TT-66-15713

Trans. of Tsvetnye Metally (USSR) v31 n2 p39-45 1958.

C. Organic chemistry

NCH-206 424 Field 7C

Yoshimi, N.; Yamao, M.; Kawakita, M.; Tanaka, S.
A STUDY ON THE REACTION OF FORMALIN WITH ACIDS, BY GAS CHROMATOGRAPHY. 17 Oct 66, 12p, 7refs. SA-KKZ-66-283-285.
Order from SA: $19.00 as SA-KKZ-66-283-285

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n2 p283-5 1963.

NCH-206 530 Field 7C

Khannanov, T. M.; Yakomazova, G. K.
THE SYNTHESIS OF 1,3-DINITRO-ALKANES BY THE ADDITION OF NITRO-PARAFFINS TO 1-NITRO-OLEFINES (Sintex 1, 3-Dinitroalkanov Putem Prisoedineniya Nitroparafinov 1-Nitro-olefinam). Aug 66, 5p, 4refs. RTS-3043.
Order from NLL: 7s 6d as RTS-3043

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Khimiya i Khimicheskaya Tekhnologiya (USSR) v7 n2 p237-9 1964.

NCH-206 561 Field 7C

Berezkin, V. G.; Pakhomov, V. P.; Alishoev, V. R.; Starobinets, L. L.; Markovich, Z. P.
SOME NEW POSSIBILITIES OF STUDING POLYMERIC COMPOUNDS BY GAS CHROMATOGRAPHY (O Nekotorykh Novykh Vozmozhnostyakh Issledovaniya Polimernykh Soedinenii Metodom Gazovoi Khromatografii). May 66, 3p, 5refs. RTS-3141.
Order from NLL: 2s 6d as RTS-3141

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v7 n1 p185-6 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15240 Field 7C

Reese, J.
ON 2-CYCLOHEXYLIDENE-CYCLOHEXANONE. AN ISOMER OF 2-DELTA'-CYCLOHEXENYL-CYCLOHEXANONE. 3p.
Order from SLA: $1.10 as TT-66-15240

Abstract trans. of Chemische Berichte (West Germany) v75a p384-94 1942.

TT-66-15242 Field 7C

Hock, H. P. Lang, Shon.
AUTOOXIDATION OF HYDROCARBONS. PT. IX, PEROXIDES OF BENZENE DERIVATES. 13p, 17refs.
Order from SLA: $1.60 as TT-66-15242

Trans. of Chemische Berichte (West Germany) v77 p257-64 1944.
Another trans. is available from LC or SLA mi$2.40 ph$3.30 as TT-59-12935, 11p.

TT-66-15244 Field 7C

Berthelot, M.
ACTION OF A MIXTURE OF CARBON DISULPHIDE,

HYDROGEN SULPHIDE AND CARBON MONOXIDE ON METALLIC IRON. 16p.
Order from SLA: $1.60 as TT-66-15244

Trans. from mono. Carbunes d'Hydrogene, 1851-1901. Recherches Experimentales, Paris, 1901 v1 p200-10.
Hydrocarbons, 1851-1901.

TT-66-15292 Field 7C

Tanaka, M.; Tanaka, N.
CONDENSATION OF PHTHALIC ANHYDRIDE WITH O-DICHLOROBENZENE. 4p, 9refs.
Order from SLA: $1.10 as TT-66-15292

Trans. of Nippon Kagaku-kai (Japan) v3 p286-7 1928.

TT-66-15321 Field 7C

Mikusch, J. D.
DIENOMETRY IN THE SERVICE OF STRUCTURAL RESEARCH. 9p (figs refs omitted).
Order from SLA: $1.10 as TT-66-15321

Trans. of die Nahrung (West Germany) v5 n5 p575-61 1961.

TT-66-15323 Field 7C

Egorochkin, A. N.; Lukevits, Z. Ya.; Voronkov, M. G.
THE PROTON NUCLEAR MAGNETIC RESONANCE SPECTRA OF (2-FURYL)-ORGANOSILANES. 6p, 4refs.
Order from SLA: $1.10 as TT-66-15323

Trans. from mono. International Symposium on Organosilicon Chemistry, 6-9 Sep 65, Praque. Proceedings, n.p., 1965 p212-5.

TT-66-15435 Field 7C

Tanret, G.
ON AN ALKALOID OBTAINED FROM GALEGA OFFICINALIS. 2p.
Order from SLA: $1.10 as TT-66-15435

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v158 p1182-4 1914.

TT-66-15447 Field 7C

Shakhova, N. I.; Krivoshchekova, O. E.; Shamshurin, A. A.
DIETHYL PYROCARBONATE (PIREF) - A NEW PRESERVING AGENT IN WINE MAKING (K Kharakteristike Dietilpirougolnogo Efira kak Obezvoahivayushchego Agenta). 6p (foreign text included) 4refs.
Order from SLA: $1.10 as TT-66-15447

Trans. of Akademiya Nauk Moldavskoi SSR, Kishinev. Institut Khimii. Sbornik Statei, p61-2 1965.

TT-66-15448 Field 7C

Shamshurin, A. A.; Krivoshchekova, O. E.
A STUDY OF ORGANIC BASES FOR THE SYNTHESIS OF PYROCARBONATES. (Izuchenie Organicheskikh Osnovanii dlya Sinteza Pirougolnykh Efirov). 18p (foreign text included) 4refs.
Order from SLA: $1.60 as TT-66-15448

Trans. of Akademiya Nauk Moldavskoi SSR, Kishinev. Institut Khimii. Sbornik Statei, p51-7 1965.

TT-66-15470 Field 7C

Cermak, M.
ESTIMATION OF CARBAZOLE BY MEANS OF FORMALDEHYDE. 3p.
Order from SLA: $1.10 as TT-66-15470

Trans. of Chemicke Listy (Czechoslovakia) v45 p35-6 1951.

TT-66-15473 Field 7C

Kolosova, M. O.; Stavrovskaya, V. I.
2-MERCAPTOTHIAZOLE IN MANNISCH REACTION. 4p.
Order from SLA: $1.10 as TT-66-15473

Trans. of Zhurnal Obshchei Khimii (USSR) v33 n8 p2778-85 1963.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15518 Field 7C

Prakke, F.
SALTS OF CARBOXYMETHYLCELLULOSE. 5p.
Order from SLA: $1.10 as TT-66-15518

Trans. of Verfkroniek (Netherlands) v23 n7 p181-2 1950.

TT-66-15535 Field 7C

Henrici-Olive, G.; Olive, S.
POLYMERIZATION OF METHYL METHACRYLATE IN BROMOBENZENE. 7p, 8refs.
Order from SLA: $1.10 as TT-66-15535

Trans. of die Makromolekulare Chemie (Switzerland) v96 p221-6 1966.

TT-66-15549 Field 7C

Vecera, M.; Snobl, D.
QUANTITATIVE ORGANIC ANALYSIS. XII. STATISTICAL EVALUATION OF METHODS OF ELEMENTAL ORGANIC ANALYSIS. 24p, 30refs.
Order from SLA: $2.60 as TT-66-15549

Trans. of Collection of Czechoslovak Chemical Communications, v23 n4 p636-48 1958.

TT-66-15552 Field 7C

Binkowski, J.; Bobranski, B.
RANGE OF APPLICATION OF THE VAN SLYKE METHOD FOR THE DETERMINATION OF CARBON IN IN ORGANIC COMPOUNDS. 17p, 8refs.
Order from SLA: $1.60 as TT-66-15552

Trans. of Chemia Analityczna (Poland) v9 n3 p515-25 1964.

TT-66-15563 Field 7C

Terentev, A. P.; Volodina, M. A.; Fursova, E. G.
ELEMENTAL ANALYSIS OF UNSTABLE ORGANIC COMPOUNDS CONTAINING TRIVALENT PHOSPHORUS, ARSENIC, OR ANTIMONY. 9p, 15refs.
Order from SLA: $1.10 as TT-66-15563

Trans. of Akademiya Nauk SSSR. Doklady, v169 n4 p851-4 1966.

TT-66-15565 Field 7C

Dolgopolskii, I. M.; Vaishtarene, K. V.; Kryauchyunas, I. I.
SYNTHESIS OF VINYL FLUORIDE USING A SUSPENDED CATALYST (Sintez Ftoristogo Vinila s Primeneniem Suspendirovannogo Katalizatora). 23p (foreign text included) 11refs.
Order from SLA: $2.60 as TT-66-15565

Trans. of Akademiya Nauk Litovskoi SSR, Vilna. Trudy. Seriya B, n3 p95-101 1965.

TT-66-15587 Field 7C

Hori, M.; Kondo, K.; Yoshida, T.
ANALYTICAL STUDIES ON POLYMERS. 1. AN INVESTIGATION OF MOLECULAR WEIGHT DISTRIBUTION IN POLYOXYPROPYLENE GLYCOL AND POLYCAPROLACTONE WITH COLUMN CHROMATOGRAPHY. 11p, 5refs.
Order from SLA: $1.60 as TT-66-15587

Trans. of Takeda Kenkyusho Nempo (Japan) v24 p194-200 1965.

TT-66-35611 Field 7C

Tsivunin, V. S.; Kamai, G. Kh.; Nurtdinov, S. Kh.; Melnikov, N. N.; Grapov, A. F.
RECENT SOVIET STUDIES IN ORGANIC CHEMISTRY. 20 Dec 66, 12p, refs. JPRS-39189.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35611

Trans. of Zhurnal Obshchei Khimii (USSR) v36 n10 p1827-30, 1841-3 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

D. Physical chemistry

NCH-206 425 Field 7D

Takahashi, T.
STUDY ON CATALYSTS FOR WATER GAS SHIFT CONVERSION. 1: CATALYTIC ACTIVITY OF VARIOUS IRON OXIDES. 17 Oct 66, 27p, 5refs. SA-KKZ-66-302-305.
Order from SA: $28.00 as SA-KKZ-66-302-305

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n3 p302-5 1963.

NCH-206 426 Field 7D

Takahashi, T.
STUDY ON CATALYSTS FOR WATER GAS SHIFT CONVERSION. 2: PRODUCTION OF A CATALYST USING BOG IRON ORE AS RAW MATERIAL. 17 Oct 66, 15p, 2refs. SA-KKZ-66-306-307.
Order from SA: $19.00 as SA-KKZ-66-306-307

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n3 p306-7 1963.

NCH-206 427 Field 7D

Kiuchi, H.; Watanabe, M.
STUDIES ON CONTINOUS POLYMERIZATION OF ACRYLONITRILE IN AQUEOUS SOLUTION. 1: pH RISE IN THE COURSE OF POLYMERIZATION. 17 Oct 66, 20p, 7refs. SA-KKZ-66-370-373.
Order from SA: $22.00 as SA-KKZ-66-370-373

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n3 p370-3 1963.

NCH-206 564 Field 7D

Vagramyan, A. T.; Balashova, N. N.
POLARIZATION OF METALLIC ELECTRODES IN CYANIDE SOLUTIONS OF SILVER (Polyarizatsiya Metallicheskikh Electrodov v Tsianistykh Rastvorakh Serebra). Jun 66, 18p, 26refs. RTS-3010.
Order from NLL: 25s as RTS-3010

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v24 p96-105 1950.

NCH-206 656 Field 7D

Kukoz, F. I.; Kukoz, L. A.
PREPARATIONS OF NON-POROUS PLATINUM ELECTODEPOSITS IN AN ULTRASONIC FIELD. Jul 66, 5p (foreign text included) refs. INC-Trans-66/196.
Order from NLL

Trans. of Zhurnal Prikladnoi Khimii (USSR) v39 n3 p705-7 1966.

NCH-206 681 Field 7D

Froment, M.; Lestrade, J. C.
SOME RECENT DEVELOPMENTS IN OPTICAL METHODS APPLIED TO THE STUDY OF THE MICRO-PROFILE OF METAL SURFACES. 29 Sep 66. BISI-4939.
Order from BISI: $11.20 as BISI-4939

Trans. of Electrochimica Acta (U. S.) v11 p21-30 Jan 1966.

NCH-206 769 Field 7D

De Laffolie, H.; Lennartz, G.
X-RAY SPECTROCHEMICAL MEASUREMENTS OF LIGHT ELEMENTS USING AN ELECTRON PROBE MICRO-ANALYZER. 22 Dec 66. BISI-5157.
Order from BISI: $9.80 as BISI-5157

Trans. of DEW Technische Berichte (West Germany) v6 n2 p80-4 1966.

NCH-206 913 Field 7D

Boreskov, G. K.; Slinko, M. G.
KINETICS OF REVERSIBLE CATALYTIC REACTIONS

IN THE INTERNAL-DIFFUSION REGION (O Kinetike Obratimykh Kataliticheskikh Reaktsii v Oblasti Vnutrennei Diffusii). Sep 66, 7p, 3refs. RTS-3417.
Order from NLL: 10s as RTS-3417

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v26 n2 p235-8 1952.

NCH-208 916 Field 7D

Zamyshlaeva, L. I.; Slovokhotova, T. A.; Balandin, A. A.
ACTIVITY OF ISOMERIC PICOLINES, CRESOLS AND XYLENOLS IN CATALYTIC REACTIONS WITH WATER VAPOUR (Aktivnost Isomernykh Pikolinov, Kresolov i Ksilolov v Kataliticheskikh Prevrashcheniyakh c Vodyanym Parom). Sep 66, 5p, 13refs. RTS-3413.
Order from NLL: 7s 6d as RTS-3413

Trans. of Moscow Univ. Vestnik (USSR) n4 p39-41 1965.

TT-66-15065 Field 7D

Bodenstein, M.; Brenschede, W.; Schumacher, H. J.
THE PHOTOCHEMICAL FORMATION OF PHOSGENS. XI. CALCULATION OF THE CONSTANTS OF THE PARTIAL REACTIONS BY INCLUDING THE THERMAL FORMATION AND DECOMPOSITION OF PHOSGENE. Tr. by S. K. Myers. 19p, 19refs. IS-Trans-31.
Order from SLA: $1.60 as TT-66-15065

Trans. of Zeitschrift fuer Physikalishe Chemie, Leipzig (East Germany) v40B p121-34 1938.

TT-66-15293 Field 7D

Matsuno, T.
STUDY OF ELECTROLYTIC DIAPHRAGMS. I: EFFECT OF THE DIAPHRAGM ON ELECTROLYTIC DIFFUSION. 11p (figs omitted) 5refs.
Order from SLA: $1.60 as TT-66-15293

Trans. of Kogyo Kagaku Zasshi (Japan) v52 p227-9 1949.

TT-66-15294 Field 7D

Matsuno, T.
STUDY OF ELECTROLYTIC DIAPHRAGMS. II. EFFECTIVE LENGTH OF A SIPHON COMPOSED OF A DIAPHRAGM PORE. 10p (figs omitted).
Order from SLA: $1.10 as TT-66-15294

Trans. of Kogyo Kagaku Zasshi (Japan) v52 p281-2 1949.

TT-66-15295 Field 7D

Matsuno, T.
STUDY OF ELECTROLYTIC DIAPHRAGMS. III. CHANGE OF POROSITY OF THE DIAPHRAGM BY ELECTROLYTES. 9p (figs omitted) 10refs.
Order from SLA: $1.10 as TT-66-15295

Trans. of Kogyo Kagaku Zasshi (Japan) v52 p282-4 1949.

TT-66-15336 Field 7D, 20M

Codegone, C.
ON THE THERMAL CONDUCTIVITY OF GASES AND VAPOURS. Tr. by R. A. Scutt. Nov 65, 5p, 3refs. NP-tr-1361.
Order from SLA: $1.10 as TT-66-15336

Trans. of Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali. Atti (Italy) v86 p288-90 1951/1952.

TT-66-15393 Field 7D

Schmalzried, H.
ON THE ZIRCONIUM OXIDE AS AN ELECTROLYTE FOR ELECTROCHEMICAL RESEARCH AT ELEVATED TEMPERATURES. Tr. by M. I. Weinreich. 15 June 64, 12p. SC-T-64-910.
Order from SLA: $1.60 as TT-66-15393

Trans. of Zeitschrift fuer Electrochemie (West Germany) v66 n7 p572-6 1962.

TT-66-15399 Field 7D

Berger, J. A.; Meyniel, G.; Petit, J.; Blanquet, P.
THE USE OF ION EXCHANGE RESINS AND SUCCESSIVE MULTIPLE LAYERS IN THIN-LAYER CHROMATOGRAPHY. 29 Sep 64, 30p, 21refs. SC-T-64-1629.
Order from SLA: $2.60 as TT-66-15399

Trans. of Societe Chimique de France. Bulletin, n11 p2262-7 1963.

TT-66-15418 Field 7D

Breiter, M.; Will, F. G.
THE INNER RESISTANCE OF POTENTIOSTATIC REGULATING CIRCUITS AND EXAMPLES OF THE USE OF A POTENTIOSTAT (Der Innenwiderstand Potentiostatischer Regelschaltungen und Beispiele der Anwendung eines Potentiostaten). Tr. by M. T. Kelley. Jan 64, 20p (foreign text included) 14refs. ORNL-tr-574.
Order from SLA: $1.60 as TT-66-15418

Trans. of Zeitschrift fuer Elektrochemie (West Germany) v61 n9 p1177-83 1957.

TT-66-15419 Field 7D

Gerischer, H.; Staubach, K. E.
THE ELECTRONIC POTENTIOSTAT AND ITS USE FOR THE INVESTIGATION OF RAPID ELECTRODE REACTIONS (Der Elektronische Potentiostat und seine Anwendung zur Untersuchung Schneller Elektrodenreaktionen). Tr. by M. T. Kelley. 7 Jan 65, 21p (foreign text included) 14refs. ORNL-tr-573.
Order from SLA: $2.60 as TT-66-15419

Trans. of Zeitschrift fuer Elektrochemie (West Germany) v61 n7 p789-94 1957.

TT-66-15460 Field 7D

Andryushchenko, F. K.; Parfenova, K. G.; Slotin, O. A.
THE ELECTRICAL CONDUCTIVITY OF CERTAIN SOLUTIONS OF DIMETHYL FORMAMIDE (Elektroprovodnost Nekotorykh Rastvorov Dimetiliformamida). 17p (foreign text included) 7refs.
Order from SLA: $1.60 as TT-66-15460

Trans. of Elektrokhimiya (USSR) v2 p741-5 1966.

TT-66-15479 Field 7D

Klimusheva, G. V.
INVESTIGATION OF THE CRYSTALLIZATION OF ALKYLBENZENES. 12p, 14refs.
Order from SLA: $1.60 as TT-66-15479

Trans. of Ukrayinskii Fizychnyi Zhurnal (USSR) v9 n2 p179-84 1964.

TT-66-15490 Field 7D, 11B

Kubaschewski, O.
THE DIFFUSION OF SILVER IN GLASS (Die Diffusion von Silber in Glas). 12p (foreign text included) 7refs.
Order from SLA: $1.60 as TT-66-15490

Trans. of Zeitschrift fuer Elektrochemie (West Germany) v42 n1 p5-7 1936.

TT-66-15496 Field 7D, 7A

Sushchenko, S. N.; Dadabaev, A. Yu.
EFFECT OF DIFFERENT FACTORS ON THE EXCHANGE OF THE Ku-2 CATION (Vliyanie Razlichnykh Faktorov na Obmennuyu Emkost Kationita Ku-2). 26p (foreign text included) 3refs.
Order from SLA: $2.60 as TT-66-15496

Trans. in manuscript of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Institut Metallurgii i Obogashcheniya. Trudy, v17 p93-8 1966.

TT-66-15497 Field 7D, 7A

Mokryshev, A. I.; Dadabaev, A. Yu.; Ponomarev, V. D.
STUDY OF THE EXCHANGE CONSTANT IN THE SYSTEM IONITE-AQUEOUS SOLUTIONS OF SOME METALS (K Voprosy Izucheniya Konstant Obmena v Sisteme Ionit-Vodnye Rastvory Nekotorykh Metallov). 30p (foreign text included) 10refs.
Order from SLA: $2.60 as TT-66-15497

Trans. in manuscript of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Institut Metallurgii i Obogashcheniya. Trudy, v17 p85-92 1966.

TT-66-15498 Field 7D, 7A

Sushchenko, S. I.; Dadabaev, A. Yu.
CAPACITY AND SWELLING OF Kb-4 RESIN AND SULF-CATIONITES (Emkost i Nabukhaemost Smoly Kb-4 i Sulfokationitov). 32p (foreign text included) 10refs.
Order from SLA: $3.60 as TT-66-15498

Trans. in manuscript of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Institut Metallurgii i Obogashcheniya. Trudy, v17 p99-105 1966.

TT-66-15550 Field 7D

Kharabadze, N. I.
ANODE PROCESSES IN STRONGLY ACIDIC Mn SULFATE SOLUTIONS. 18p (refs omitted).
Order from SLA: $1.60 as TT-66-15550

Trans. from mono. Elektrokhimiya Margantsa, vol. 2, Tiflis, 1963 p267-78.
Electrochemistry of Manganese.

TT-66-15578 Field 7D

Shashkov, A. S.; Mozzhukhina, V. M.; Krylova, I. V.; Kobozev, N. I.
THE STUDYING OF ADSORPTIVE CATALYSTS BY THE METHOD OF EXOELECTRONIC EMISSION. PT. II: PLATINUM ON ZINC OXIDE. 5p, 7refs.
Order from SLA: $1.10 as TT-66-15578

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v40 n1 p250-3 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15579 Field 7D

Filonenko, A. P.; Ustinova, T. S.; Krylova, I. V.
THE STUDYING OF ADSORPTIVE CATALYSTS BY THE METHOD OF EXOELECTRONIC EMISSION. PT. III: SILVER AND GOLD ON ZINC OXIDE. 5p, 6refs.
Order from SLA: $1.10 as TT-66-15579

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v40 n1 p253-5 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15584 Field 7D

Tanaka, K.; Tamaru, K.
A GENERAL RULE ON THE CATALYTIC ACTIVITY OF METALS. 8p, 15refs.
Order from SLA: $1.10 as TT-66-15584

Trans. of Kinetika i Kataliz (USSR) v7 n2 p242-7 1966.

TT-66-15609 Field 7D

Hauffe, K.; Wagner, C.
THE THERMODYNAMIC ANALYSIS OF LIQUIDUS CURVES OF INTERMETALLIC COMPOUNDS. 23p, 34refs. ORNL-tr-836.
Order from SLA: $2.60 as TT-66-15609

Trans. of Zeitschrift fuer Elektrochemie (West Germany) v46 n3 p160-70 1940.

TT-66-15611 Field 7D

Gaus, H.
THE INFLUENCE OF TRAPS ON DIFFUSION (RARE GAS DIFFUSION IN SOLIDS). 25p, 10refs. ORNL-tr-814.
Order from SLA: $2.60 as TT-66-15611

Trans. of Nukleonik (West Germany) v6 p322-5 1964.

TT-66-15656 Field 7D

Grammaticakis, P.
REMARKS ON THE STRUCTURE OF "TETRAZONES" ACCORDING TO THEIR ABSORPTION SPECTRUM IN THE MIDDLE ULTRAVIOLET AND THE VISIBLE SPECTRUM (Remarques sur la Structure des "Tetrazones" d'Apres leur Spectre d'Absorption dans l'Ultraviolet Moyen et le Visible). Tr. by M. I. Weinreich. 17 Jun 65, 6p. SC-T-65-738.
Order from SLA: $1.10 as TT-66-15656
Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v259 p2113-6 1964.

TT-66-35593 Field 7D, 11F

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 10, 19 Dec 66, 54p. JPRS-39170.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35593

Abstract trans. of mono. Ch'uan-Kuo Ti-i-Chieh Yeh Chin Kuo-Ch'eng Wu-Li Hau-Hsueh Hsueh-Shu Pao-Kao-Hui Lun-Wen Chi, Shanghai, 1965 p3-130, 193-335, 339-406, 409-465, 469-584.
National Conference on the Physical Chemistry of Metallurgical Processes, (No. 1) Jun 1965. Papers.

TT-66-35704 Field 7D

Korablina, L. S.; Krylov, V. D.; Kharchenvinkova, L. M.
NITRATES AND PERCHLORATES OF NITROGEN-CONTAINING BASES. 28 Dec 66, 7p, 4refs. JPRS-39282.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35704

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Khimiya i Khimicheskaya Tekhnologiya (USSR) v9 n3 p351-4 1966.

TT-67-60276 Field 7D

COLLOID JOURNAL VOL. 27 NO. 5: SELECTED ARTICLES. 29 Jul 66, 13p, 4refs. FTD-HT-66-301; AD-643 929.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 929

Unedited rough draft trans. of Kolloidnyi Zhurnal (USSR) v27 n5 p731-4, 785-6 1965.

E. Radio and radiation chemistry

TT-66-15334 Field 7E

Ikeda, M.; Shinozaki, Y.; Meshitsuka, G.
REACTION OF ACTIVE NITROGEN WITH ETHYLENE. Tr. by E. H. M. Colegrave. Oct 65, 18p, 32refs. NP-tr-1364.
Order from SLA: $1.60 as TT-66-15334

Trans. of Metropolitan Isotope Center, Tokyo, Rept. (Japan) v3 p57-64 1964.

TT-66-15396 Field 7E

Osten, W. von der; Waidelich, W.
ULTRARED ABSORPTION AND PHONON-FREE TRANSITIONS IN RADIATION-DISCOLORED LIF (Ultrarot-Absorption und Phononenfreie Uebergaenge in Strahlungsverfaerbtem LiF). Tr. by M. I. Weinrich. 8 Sep 64, 13p, 15refs. SC-T-64-1609.
Order from SLA: $1.60 as TT-66-15396

Trans. of Zeitschrift fuer Physik (West Germany) v178 p244-52 1964.

TT-66-15647 Field 7E

Carvalho, G.; Cruz, M. P. da.
DIFFERENCES IN SENSITIVITY TO GAMMA RADIATION IN DROSOPHILAE OF THE WILLISTONI GROUP. 2p. AEC-tr-6429.
Order from SLA: $1.10 as TT-66-15647

Trans. of Brazil Univ., Rio de Janeiro. Faculdade Nacional de Filosofia. Rept., n.d.

TT-66-15667 Field 7E, 18B

Chagas, C.
TRACERS IN BIOLOGY. Tr. by D. A. Fuccillo, Jr. 25p, 64refs. ORNL-tr-426.
Order from SLA: $2.60 as TT-66-15667

Trans. of International Conference on the Peaceful Uses of Atomic Energy (no. 3) Geneva, Switzerland, 1964. Paper, n. p., n874 n.d.
Conference of International Atomic Energy Agency.

TT-66-51109 Field 7E, 8D

Kovda, V. A.; Yakushevskaya, I. V.; Tyuryukanov, A. N.
MICROELEMENTS IN THE SOILS OF THE USSR. Tr. by N. Kaner. 1966, 54p, refs. SFCSI-Agr(TT-66-51109).
Order from CFSTI: $3.00 as TT-66-51109

Trans. of mono. Mikroelementy v Pochvakh Sovetskogo Soyuza, Moscow, 1959.

08 EARTH SCIENCES AND OCEANOGRAPHY

A. Biological oceanography

NCH-205 676 Field 8A, 6C

Kostyuchenko, V. A.
BIOLOGY AND FISHERIES OF MAIN COMMERCIAL FISH OF THE BLACK AZOV SEAS (Biologiya i Promysel Oshovnykh Promyslovykh Pyb Chernogo i Azovskogo Mopya). Apr 66, 21p, 37refs. RTS-3172.
Order from NLL: 40s as RTS-3172

Trans. of Azovsko-Chernomorskii Nauchno-Issledovatelskii Institut Morskogo Rybnogo Khozyaistva i Okeanografii. Trudy (USSR) v19 p45-60 1961.

NCH-206 896 Field 8A

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ALKALI ELEMENTS IN THE EVOLUTION OF MARINE ORGANISMS (Shchelochnye Elementy v Evolyutsii Morskikh Organismov). Sep 66, 15p. RTS-3384.
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F. Geography

TT-66-35341 Field 8F

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TT-66-35568 Field 8F

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G. Geology and mineralogy

NCH-206 514 Field 8G

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LOCALIZATION FACTORS OF THE RARE-METAL MINERALIZATION IN CARBONATITES (Faktory Lokalizatsii Redkometalnogo Orudeneniya v Karbonatitakh). Aug 66, 15p, 4refs. RTS-3326. Order from NLL: 17s 6d as RTS-3326

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NCH-206 525 Field 8G, 6C

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A STUDY OF THE ATRYPIDS OF THE KUSNETSK AND MINUSINK BASINS. Aug 66, 79p. RTS-3030. Order from NLL: 40s as RTS-3030

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NCH-206 901 Field 8G

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TT-66-15338 Field 8G

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VOLCANOLOGICAL AND PETROGRAPHIC OBSERVATIONS ON THE 'CHAOTIC TUFFS' AND IGNIMBRITES OF THE SASSETTO MOUNTAINS (IN THE REGION OF TOLFA). 8p (figs tables omitted). Order from SLA: $1.10 as TT-66-15338

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TT-66-35590 Field 8G, 8B

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H. Hydrology and limnology

TT-66-15352 Field 8H

Tricart, J.
DETAILED HYDROLOGICAL MAPPING AND ITS USEFULNESS IN RIVER REGIME STUDIES. 8p, (refs omitted). Order from SLA: $1.10 as TT-66-15352

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TT-66-51153/2 Field 8H, 5B

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SEDIMENTATION: ANNOTATED BIBLIOGRAPHY OF FOREIGN LITERATURE FOR 1959 TO 1965 SURVEY NO. 2. 1966, 263p, refs. SFCSI-Agr(TT-66-51153/2). Order from CFSTI: $3.00 as TT-66-51153/2

I. Mining engineering

NCH-206 523 Field 8I

Avdenin, N. A.
ON VARIOUS METHODS OF CALCULATING THE RESERVOIR TEMPERATURE FIELD UNDER HEAT INJECTION (O Razlichnyka Metedakh Rascheta Temperaturnege Pelya Plasta Pri Teplevei Inzhektsii). Aug 66, 10p, 6refs. RTS-2962.
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NCH-206 915 Field 8I

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TT-66-15420 Field 8I, 18H

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Order from SLA: $3.60 as TT-66-15420

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TT-66-35252 Field 8I, 5C

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J. Physical oceanography

NCH-206 521 Field 8J

Khitrov, L. M.; Kotlyarov, K. A.
A MARINE FLAME PHOTOMETER AND ITS APPLICATIONS (Morskoi Plamennyi Fotmetr i Ego Primenenie). Aug 66, 6p, 3refs. RTS-3090.
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NCH-206 533 Field 8J

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M. Soil mechanics

TT-66-51123 Field 8M

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TT-66-51136 Field 8M, 8G, 8H

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Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60157

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N. Terrestrial magnetism

TT-66-15500 Field 8N

Lebeau, A.
ON THE DIURNAL MAGNETIC ACTIVITY IN THE POLAR CAP. 85p, 45refs.
Order from SLA: $8.60 as TT-66-15500

Trans. of Annales de Geophysique (France) v21 n2 p167-219 1965.

09 ELECTRONICS AND ELECTRICAL ENGINEERING

A. Components

TT-66-35490 Field 9A

Rabin, B. I.
USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 31. The Development of Basic Electrical Transmission Line Structures. 13 Dec 66, 14p. JPRS-39067.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35490

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B. Computers

NCH-206 693 Field 9B, 13H

Fiebig, E.
THE USE OF DIGITAL COMPUTERS FOR PROCESS CONTROL. 6 Oct 66. BISI-5037.
Order from BISI: $15.40 as BISI-5037

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TT-66-15422 Field 9B

Braffort, P.; Hirschberg, D.; Mommens, J.
PROGRAMMING OF NON-NUMERICAL PROBLEMS. 13p (some refs omitted) 3refs. AEC-tr-6752.
Order from SLA: $1.60 as TT-66-15422

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Mamonov, E. I.
BASIC TERMINOLOGY AND DEFINITIONS IN THE TECHNIQUE OF AUTOMATIC DIGITAL MACHINES. 21p, 2refs.
Order from SLA: $2.60 as TT-66-15464

Trans. of Vychislitelnaya Tekhnika (USSR) p140-50 1958.

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Vibrant, J.
EDUCATION PROBLEMS IN THE FIELD OF COMPUTER ENGINEERING IN YUGOSLAVIA. 5 Dec 66, 12p, 1ref. JPRS-38958.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35381

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TT-66-35485 Field 9B, 5C

Loskutov, V. I.
COMPUTER CENTERS AND AUTOMATIC ACCOUNTING AND CONTROL SYSTEMS IN THE USSR. 12 Dec 66, 132p. JPRS-39062.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35485

Trans. of mono. Vychislitelnye Tsentry, Moscow, 1966 p1-118, 258-61.

TT-66-35680 Field 9B, 14E

USSR INDUSTRIAL DEVELOPMENT: ELECTRONICS AND PRECISION EQUIPMENT NO. 18. 27 Dec 66, 20p. JPRS-39258.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35680

TT-67-30043 Field 9B, 12B

Krivenkov, Yu. P.
THE THEORY OF PERT AND CONTROL SYSTEMS. 4 Jan 66, 8p, 3refs. JPRS-39392.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-30043

Trans. of Akademiya Nauk SSSR. Doklady (USSR) v171 n2 p302-5 1966.

C. Electronic and electrical engineering

NCH-206 567 Field 9C

Markovich, N. M.; Sovalov, S. A.
EXPERIMENTAL INVESTIGATION OF THE RESYNCHRONIZATION OF GENERATORS (Experimentalnoe Issledovanie Resinkhronizatsii Generatorov). Jun 66, 19p, 4refs. RTS-2978.
Order from NLL: 15s as RTS-2978

Trans. of Elektrichestvo (USSR) n4 p24-9 1955.

TT-66-15206 Field 9C

Abele, T. A.
TRANSFER FACTORS WITH THE TSCHEBYSCHEFF APPROXIMATION OF CONSTANT ENVELOPE DELAY. 19p, 13refs. ORNL-tr-324.
Order from SLA: $1.60 as TT-66-15206

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TT-66-15531 Field 9C

CORROSION PROBLEMS OF CABLES UNDER LEAD POTENTIAL DISPLACEMENT AND INTERCRYSTALLINE CORROSION OF LEAD. 6p (figs refs omitted).
Order from SLA: $1.10 as TT-66-15531

Trans. of PTT Technische Mitteilungen (Switzerland) v40 n9 n.p., 1962.

TT-66-15605 Field 9C

Wada, H.; Suga, S.; Sawa, T.
60 KV GRADE QE POWER CABLE. 15p, 12refs.
Order from SLA: $1.60 as TT-66-15605

Trans. of Fujikura Densen Giho (Japan) n31 p1-5 1965.

TT-66-15606 Field 9C

Torii, C.; Isshiki, S.; Nemoto, H.; Okamoto, K.
THE APPLICATION OF SYNTHETIC INSULATING OIL FOR EXTREMELY HIGH VOLTAGE OF CABLES. 37p, 11refs.
Order from SLA: $3.60 as TT-66-15606

Trans. of Fujikura Densen Giho (Japan) n31 p23-35 1965.

TT-66-35601 Field 9C

Rogali-Levitskii, M. V.; Stepanov, V. N.; Taits, A. A.
DISTRIBUTION SYSTEM OF ELECTRICAL POWER STATIONS AND SUBSTATIONS. 19 Dec 66, 48p.

JPRS-39178.
Order from CFSTI: HC$3.00, MF$0.65 as
TT-66-35601

Trans. of mono. Elektricheskie Stantsii i Transformatornye Podstantsii, Moscow, 1965 p199-246.

E. Subsystems

TT-66-35548 Field 9E

Vasilev, A.; Bermant, M.
THE THIRD CONGRESS OF THE INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL (IFAK).
15 Dec 66, 6p. JPRS-39125.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35548

Trans. of Avtomatika i Telemekhanika (USSR)
v27 n10 p198-9 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-30044 Field 9E

Petrov, B. N.; Emelyanov, S. V.; Dubrovskii, E. N.
THE PRINCIPLE OF CONSTRUCTION OF A SEARCHLESS ADAPTIVE VARIABLE-STRUCTURE AUTOMATIC CONTROL SYSTEM. 4 Jan 67, 8p, 7refs. JPRS-39393.
Order from CFSTI: HC$3.00, MF$0.65
as TT-67-30044

Trans. of Akademiya Nauk SSSR. Doklady, v170 n6 p1279-82 1966.

TT-67-60320 Field 9E, 9F

Persin, S. M.
METHODS OF INCREASING THE ACCURACY OF CODERS BY AUTOMATIC EXCLUSION OF CODING ERRORS. 23 Sep 66, 31p, 2refs. FTD-TT-65-1585; AD-644 165.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 165

Edited trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR)
p14-32(sic).

10 ENERGY CONVERSION (NON-PROPULSIVE)

A. Conversion techniques

NCH-206 941 Field 10A, 11F, 20D

Pylaev, N. I.
INFLUENCE OF INTENSITY OF CAVITATION OF RESISTANCE OF MATERIALS (Vliyanie Intensivnosti Kavitatsii na Stoikost Materialov). Jun 66, 15p, 3refs. RTS-3115.
Order from NLL: 7s 6d as RTS-3115

Trans. of Energomashinostroenie (USSR) n10 p26-9 1964.

TT-66-15495 Field 10A

Besson, J.; Deportes, C.; Kleitz, M.
STUDY OF SOLID ELECTROLYTES FOR HIGH-TEMPERATURE FUEL CELLS (Etude des Electrolytes Solides pour Piles a Combustible a Haute Temperature). 35p (foreign text included) 47refs.
Order from SLA: $3.60 as TT-66-15495

Trans. of Institut Francais du Petrole, Paris. Collection Colloques et Seminaires, v2 n6 p87-102 1965.

TT-66-35504 Field 10A

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 32. 13 Dec 66, 29p. JPRS-39081.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35504

TT-66-35690 Field 10A

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 33. 28 Dec 66, 93p. JPRS-39268.
Order from CFSTI: HC$3.00, MF$0.65 as
TT-66-35690

B. Power sources

NCH-206 509 Field 10B

Voskresenskii, V. V.; Barakaev, Kh. F.; Travin, L. V.
A PHYSICAL MODEL OF THE CONSTANT CURRENT ELECTRIC POWER TRANSMISSION SYSTEM FROM STALINGRAD GES*1 - DONBASS (Fizicheskaya Model Elektroperedachi Postoyannogo Toka Stalingradskaya GES - Donbass). Aug 66, 23p, 1ref. RTS-2884.
Order from NLL: 20s as RTS-2884

Trans. of Elektrichestvo (USSR) n2 p28-35 1960.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

11 MATERIALS

B. Ceramics, refractories and glasses

TT-66-15098 Field 11B

Kitargorodskii, I. I.; Kopytov, L. N.
THE STRENGTHENING OF SHEET GLASS BY ETCHING. 8p.
Order from SLA: $1.10 as TT-66-15098

Trans. of Steklo i Keramika (USSR) v20 n4 p4-8 1963.
Trans. in French is available from CNRS as G/R-3141.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15410 Field 11B, 11C

Tashiro, M.
STUDIES ON THE MECHANISM OF ADHERENCE OF ENAMEL ON STEEL SURFACE. PT. III - V.
Tr. by S. Ozawa. Nov 65, 34p (foreign text included) 19refs. UCRL-Trans-1278.
Order from SLA: $3.60 as TT-66-15410

Trans. of Yogyo Kyokaishi (Japan) v57 p124-5, 149-50 1949; v58 p51-4 1950.

TT-66-15454 Field 11B

Schwalowsky, G.
A SIMPLE DEVICE FOR NON-DESTRUCTIVE IDENTIFICATION OF WIRES AND THE INCANDESCENT LAMP AND VACUUM INDUSTRY. (Ein Einfaches Geraet zur Zerstoerungsfreien Identifizierung von Draehten in der Gluehlampen- und Vakuumindustrie). 5p (foreign text included).
Order from SLA: $1.10 as TT-66-15454

Trans. of Glastechnische Berichte (West Germany) v39 n8 p375-6 1966.

TT-66-15456 Field 11B

Acloque, P.; Morain, M.
DEFERRED PROCESSES IN THE FRAGMENTATION OF TEMPERED GLASS (Processus Differes dans la Fragmentation du Verre Trempe). 36p (foreign text included) 6refs.
Order from SLA: $3.60 as TT-66-15456

Trans. of Verres et Refractaires (France) v20 n3 p171-81 1966.
Paper presented at the Technical Meeting of the Union Scientifique du Verre (no. 16) Paris, 26 Jan 65.

TT-66-15471 Field 11B

Tatevosyan, K. M.; Manvelyan, M. G.; Avsharova, S. N.
VOLITILIZATION OF BORIC ANHYDRIDE DURING FUSION OF GLASS. 12p, 12refs.
Order from SLA: $1.60 as TT-66-15471

Trans. of Steklo i Keramika (USSR) v23 n6 p6-9 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15483 Field 11B

Grundmann, W.
FACTORS AFFECTING THE DEVELOPMENT OF FLOW WAVES IN PRESSED GLASS (Einfluesse auf die Bildung der 'Fliesswellen' bei Pressglaesern). 12p (figs omitted) 7refs.
Order from SLA: $1.60 as TT-66-15483

Trans. of Glastechnische Berichte (West Germany) v39 n8 p370-5 1966.

TT-66-15528 Field 11B

Oel, H. J.; Dietzel, A.
FUNDAMENTAL RESEARCH ON WEATHERING AND LEACHING OF ENAMELS AND GLASSES. 18p, 3refs.
Order from SLA: $1.60 as TT-66-15528

Trans. of Verein Deutscher Emailfachleute e.V. Mitteilungen (West Germany) v12 n5 p27-34 1964.

TT-66-15695 Field 11B

Jebsen-Marwedel, H.
INTERPRETATION OF THE INCREASED CORROSION AT THE WETTING EDGE OF GLASS MELTS AND BY PITTING DUE TO BUBBLES AS A TRANSPORT PROCESS BY PERMANENT DISPLACEMENT WETTING (Deutung der Zusaetzlichen Korrosion an der Spuelkante von Glasschmelzen und durch Lochfrass von Blasen als Transportvorgang durch Permanente Umnetzung). 14p (foreign text included) 7refs.
Order from SLA: $1.60 as TT-66-15695

Trans. of Glastechnische Berichte (West Germany) v39 n9 p399-402 1966.

TT-66-15697 Field 11B

Koranyi, G.
NEW METHODS OF INVESTIGATING THE STRUCTURE OF THE SURFACE OF GLASS (Uvegfeluletek Szerkezetenek Ujabb Vizsgalati Modszereirol). 29p (foreign text included) 10refs.
Order from SLA: $2.60 as TT-66-15697

Trans. of Magyar Tudomanyos Akademia Kemiai Tudomanyok Osztalyanak Kozlemenyei (Hungary) v12 p25-35 1958.

C. Coatings, colorants and finishes

NCH-206 640 Field 11C, 13H

Fischer, W. R.
ANODIC PROTECTION BY LOCAL CATHODES. Aug 66, 9p (foreign text included) 15refs.
INC-Trans-66/231.
Order from NLL

Trans. of Werkstoffe und Korrosion (West Germany) v17 p477-84 1966.

TT-67-60380 Field 11C

Sazykina, O. P.
INTERACTION BETWEEN REACTIVE DYES AND HAIR KERATIN. Tr. by A. K. Rothfield. 1966, 16p (foreign text included) refs.
CSIRO-trans-8242.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60380

Trans. of Tekhnologicheskii Institut Legkoi Promyshlennosti. Nauchnye Trudy (USSR) n30 p83-90 1964.

E. Fibers and textiles

NCH-206 558 Field 11E, 13I

Sinytsin, A. S.
CHANGE IN THE DESIGN OF THE MAIN SHAFT OF THE FIRST LINE OF FLUTED ROLLERS OF SPINNING FRAMES (Izmenenie Konstruktsii Korennogo Valika Pervoi Linii Riflenykh Tsilindrov Pyradilnykh Mashin). May 66, 3p. RTS-3255.
Order from NLL: 2s 6d as RTS-3255

Trans. or Tekstilnaya Promyshlennost (USSR) v25 n6 p26 1965.

TT-66-15171 Field 11E

Agster, A.
THE EFFECT OF HIGHER TEMPERATURES ON NATURAL AND SYNTHETIC FIBRES. 15p (figs omitted).

Order from SLA: $1.60 as TT-66-15171

Trans. of Melliand Textilberichte (West Germany) v37 n11 p1338-44 1956.

TT-66-15260 Field 11E

Brandt, K.
SPINNING EXPERIMENTS. 8p, 3refs.
Order from SLA: $1.10 as TT-66-15260

Trans. from mono. Ueber Gewinnung und Eigenschaften von Benzylcellulose, n.p., 1931 p75-80.
Studies on the Production and Properties of Benzylcellulose.

TT-66-15545 Field 11E, 7C

Mayer, U.; Ender, W.; Wuerz, A.
THE SIGNIFICANCE OF ABSORPTION CURVES IN THE SELECTION OF CATIONIC DYES FOR THE DYEING OF POLYACRYLONITRILE FIBERS. II. 30p, 5refs.
Order from SLA: $2.60 as TT-66-15545

Trans. of Melliand Textilberichte (West Germany) v47 n7 p772-7 1966.

TT-66-15546 Field 11E

Herzog, W.
RELATION BETWEEN FIBER PROPERTIES AND PROPERTIES OF THE FINISHED PRODUCT. 33p, 4refs.
Order from SLA: $3.60 as TT-66-15546

Trans. of Melliand Textilberichte (West Germany) v46 n8 p819-26 1965.

TT-66-15569 Field 11E

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Hueck, W.
DEFORMATION OF ALUMINUM SINGLE CRYSTALS IN THE POLYCRYSTALLINE STRUCTURE DURING EXTRUSION. 18p, 13refs. ORNL-tr-368.

Order from SLA: $1.60 as TT-66-15417

Trans. of Zeitschrift fuer Metallkunde (West Germany) v54 p37-42 1963.

TT-66-15451 Field 11F

Moreau, J.
INTERNAL OXIDATION OF ALLOYS. 19p (refs omitted).
Order from SLA: $1.60 as TT-66-15461

Trans. from mono. Oxydation des Metaux, Paris, 1962 Chapt. 15.
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TT-66-15503 Field 11F, 20K

Muzzoli, M.
INVESTIGATION ON THE FATIGUE BEHAVIOR AND ON CAUSES OF FAILURE UNDER REPEATED STRESSES OF HARD AND VERY HARD STEELS. PT I - IV. 142p.
Order from SLA: $11.00 as TT-66-15503

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TT-66-15534 Field 11F, 13H

Blattmann, K.
CHLORINATION INSTALLATION FOR LIGHT METAL FOUNDRIES (Chlorbehandlungseinrichtungen fuer Leichtmetallgiessereien). 7p (figs omitted).
Order from SLA: $1.10 as TT-66-15534

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TT-66-15628 Field 11F

Ilschner, B.
DIFFUSION AND VISCOSITY OF MOLTEN METALS (Diffusion und Viskositaet in Metallschmelzen). Tr. by Z. F. St-Gallay. Aug 66, 30p, 43refs. LA-tr-66-57.
Order from SLA: $2.60 as TT-66-15628

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Paper presented at the Conference of the German Metallurgical Society, Salzburg, 9 June 65.

TT-66-15638 Field 11F

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EXAMINATION BY ELECTRON MICROSCOPE OF NIOBIUM CONTAMINATED AT HIGH TEMPERATURE BY INTERSTITIAL ELEMENTS (Examen au Microscope Electronique du Niobium Contamine par des Elements d'Insertion). Tr. by D. G. Westlake. Sep 65, 24p, (figs omitted) 22refs. ANL-Trans-218.
Order from SLA: $2.60 as TT-66-15638

Trans. of Journees d'Automne de la Societe Francaise de Metallurgie, Paris, Oct 1964. Paper, n.p., n.d. Autumn Meeting of the French Society of Metals.

TT-66-15642 Field 11F, 18J

Weinberg, C.; Quere, Y.
INFLUENCE OF COLD WORK INDUCED DEFECTS ON THE IRRADIATION GROWTH OF ALPHA URANIUM. Tr. by M. S. Feldman. (figs refs omitted). AEC-tr-6461.
Order from SLA: $1.10 as TT-66-15642

Trans. of Colloque de Metallurgie (no. 6) Saclay, 6-7 Jul 62. Paper, n.p., 1962 p35-41.

TT-66-15643 Field 11F, 20K

Herzog, E.
STRESS CORROSION CRACKING OF MILD AND LOW ALLOY STEELS. PT 2B. Tr. by L. P. Costas. 5p (figs refs omitted). AEC-tr-6436.
Order from SLA: $1.10 as TT-66-15643

Trans. of Corrosion et Anti corrosion (France) v2 p91-7 1954.

TT-66-15644 Field 11F, 20K

Herzog, E.
STRESS CORROSION CRACKING OF MILD AND LOW ALLOY STEELS. PT 1. Tr. by M. S. Feldman. 9p (figs refs omitted). AEC-tr-6437.
Order from SLA: $1.10 as TT-66-15644

Trans. of Corrosion et Anti corrosion (France) v2 p3-13 1954.

TT-66-15645 Field 11F, 20K

Herzog, E.
STRESS CORROSION CRACKING OF MILD AND LOW ALLOY STEELS. PT 2A. Tr. by M. S. Feldman. 8p (figs refs omitted). AEC-tr-6435.
Order from SLA: $1.10 as TT-66-15645
Trans. of Corrosion et anti corrosion (France) v2 p57-68 1954.

TT-66-15648 Field 11F

Weiner, R.
OBTAINING POLISHED GLOSS IN ELECTROPLATING BATHS BY MEANS OF ULTRASONICS (Ueber Glanzbildung in Galvanischen Baedern durch Ultraschall). Tr. by M. I. Weinreich. 5 Mar 65, 13p, 17refs. SC-T-65-719.
Order from SLA: $1.60 as TT-66-15648

Trans. of Galvanotechnik und Oberflaechenschutz (Switzerland) v4 n6 p134-9 1963.

TT-66-15658 Field 11F, 20B

Mueller, H.
THEORY OF THE FORMATION OF S-SHAPED KINK BANDS IN PLASTICALLY DEFORMED METAL CRYSTALS. II: DISLOCATION ARRANGEMENT, STABILITY AND COURSE OF DEVELOPMENT OF THE KINK BAND. 18p, 8refs. ORNL-tr-385.
Order from SLA: $1.60 as TT-66-15658

Trans. of Zeitschrift fuer Metallkunde (West Germany) v50 p351-6 1959.

TT-66-35533 Field 11F, 13M

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 34. 14 Dec 66, 39p. JPRS-39110.

Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35533

TT-66-35626 Field 11F

Bajdalinov, A.; Mesunova, E.; Peskov, V.; Ushakov, V.; Golovanov, Ya.
USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 35. 21 Dec 66, 21p.
JPRS-39204.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35626

Trans. from Ekonomicheskaya Gazeta (USSR) n37 p7; n40 p9, 10; n41 p43 1966.

TT-67-53198 Field 11F

Tomashov, N. D., ed.; Mirolyubov, E. N., ed.
CORROSION OF METALS AND ALLOYS: COLLECTION NO. 2. Tr. by C. Nisenbaum. 1966, 331p, refs. SFCSI-Int(TT-67-51398).
Order from CFSTI: $3.00 as TT-67-51398

Trans. of mono. Korroziya Metallov i Splavov, n.p., 1965.

TT-67-60331 Field 11F, 20K

Polosatkin, G. D.; Kudryavtseva, L. A.; Glazkov, V. M.
STUDY OF THE DYNAMIC YIELD POINT OF METALS AT SHOCK VELOCITIES TO 1000 m/sec. 7 Apr 65, 5p, 14refs. AD-644 178.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 178

Trans. of Akademiya Nauk SSSR. Izvestiya Metally, n5 p121-4 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

G. Miscellaneous materials

TT-66-15474 Field 11G

Maiofis, I. M.
ELECTRICAL INSULATING MATERIALS BASED ON NON-POLYMERIC COMPOUNDS. 17p.
Order from SLA: $1.60 as TT-66-15474

Trans. from mono. Osnovy Khimii Dielektrikov, Moscow, 1961 p277-85.
Fundamentals of the Chemistry of Dielectrics.

H. Oils, lubricants, and hydraulic fluids

TT-66-15458 Field 11H, 13H

d'Ancona, P. L. L.
GRINDING FLUIDS (Liquidi Refrigeranti per Rettifica). 29p (foreign text included) 18refs.
Order from SLA: $2.60 as TT-66-15458

Trans. of Macchine (Italy) v20 n11 p881-8 1965.

I. Plastics

NCH-206 423 Field 11I

Yurugi, T.; Kurita, T.; Ogihara, T.
ROENTGENOGRAPHIC DETERMINATION OF THE CRYSTALLINITY OF POLYETHYLENE TEREPHTHALATE. 17 Oct 66, 19p, 12refs.
SA-KKZ-66-276-279.
Order from SA: $22.00 as SA-KKZ-66-276-279

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n2 p276-9 1963.

TT-66-15298 Field 11I

Kosino, M.; Miyakawa, I.
EFFECTS OF ULTRASONIC RADIATION ON THE SOLUTION POLYMERIZATION PROCESS.
9p (foreign text included) 4refs.
Order from SLA: $1.10 as TT-66-15298

Trans. of Kogyo Kagaku Zasshi (Japan) v56 n8 p618-9 1953.

TT-66-15300 Field 11I

Kosino, M.
APPLICATION OF ULTRASONICS TO SUSPENSION PEARL POLYMERIZATION. 17p
(figs omitted, foreign text included) 4refs.
Order from SLA: $1.60 as TT-66-15300

Trans. of Kogyo Kagaku Zasshi (Japan) v57 n3 p210-2 1954.

TT-66-15527 Field 11I

Koda, H.
MOLD SHRINKAGE OF POLYCARBONATE. I. MOLD SHRINKAGE OF 4 INCH DIAMETER DISK.
19p, 10refs.
Order from SLA: $1.60 as TT-66-15527

Trans. of Kobunshi Kagaku (Japan) v23 n254 p464-76 1966.

TT-66-15533 Field 11I

Sato, S.; Saito, M.; Miura, K.
STUDIES ON POLYETHERS FOR URETHANE FOAMS. PT I. EXCESS ADDITION INDEX AND UNSATURATION NUMBER FOR ALKYLENE OXIDE POLYMERIZATIONS. 18p, 8refs.
Order from SLA: $1.60 as TT-66-15533

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TT-66-15539 Field 11I

Benderskii, V. A.; Kogan, B. Ya.; Gachkovskii, V. F.; Shlyapnikova, I. A.
ELECTRIC AND MAGNETIC PROPERTIES OF POLYMERS WITH CONJUGATED BONDS. I: POLY(PHENYLACETYLENES). 13p, 13refs.
Order from SLA: $1.60 as TT-66-15539

Trans. from mono. Vysokomolekulyarnye Soedineniya, Karbotsepnye Vysokomolekulyarnye Soedineniya. Sbornik Statei, n.p., 1963 p253-9.
High Molecular Compounds, Carbon-Chain High Molecular Compounds. Collection of Articles.

TT-66-15542 Field 11I

Orthmann, H. J.
INFLUENCE OF MOLECULAR ORIENTATION AND

FROZEN-IN INTERNAL STRESSES ON THE PROPERTIES OF POLYSTYRENE MOULDED ARTICLES. 3p, 3refs.
Order from SLA: $1.10 as TT-66-15542

Trans. of Kunststoffe (West Germany) v55 n5 p361-2 1965.

TT-66-15543 Field 11I

Fuchs, O.; Heckelt, F.; Herz, A.
PREPARATION, CHARACTERISTICS AND APPLICATIONS OF THE SOFT PVC FOAM TROVIPOR. 23p, 18refs.
Order from SLA: $2.60 as TT-66-15543

Trans. of Kunststoffe (West Germany) v55 n9 p717-23 1965.

TT-66-15602 Field 11I

Krozer, S.; Czlonkowska, Z.
MECHANISM OF THE BULK POLYMERIZATION OF VINYL CHLORIDE. 5p, 6refs.
Order from SLA: $1.10 as TT-66-15602

Trans. of Journal of Applied Polymer Science (U. S.) v8 p1275-9 1964.

TT-66-35492 Field 11I, 13E

Wende, A.
EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 328, 13 Dec 66, 13p (figs omitted). JPRS-39069.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35492

Trans. of die Technik (East Germany) v21 n10 p623-4 1966 and Plaste und Kautschuk (East Germany) v13 n10 p577-8, 586 1966.

J. Rubbers

TT-66-15526 Field 11J

Sato, Y.
A THEORETICAL STUDY OF MECHANICAL PROPERTIES OF FILLER REINFORCED RUBBER VULCANIZATES. III. RATE THEORY APPLICATION OF THE FILLER REINFORCEMENT THEORY ON NON-EQUILIBRIUM PROPERTIES OF MATTER. 17p (foreign text included) 5refs.
Order from SLA: $1.60 as TT-66-15526

Trans. of Nihon Gomu Kyokaishi (Japan) v39 n6 p430-4 1966.

K. Solvents, cleaners and abrasives

TT-66-15484 Field 11K

Winter, E. O.
SILICATES IN PULVERIZED AND LIQUID DETERGENTS. 14p.
Order from SLA: $1.60 as TT-66-15484

Trans. of Seifen-Oele-Fette-Wachse (West Germany) v91 n7 p189-92 1965.
Paper presented at the SEPAWA Convention, Bad Duerkhim, 1964.

L. Wood and paper products

TT-66-15287 Field 11L

Nakamura, H.; Takauti, E.
USE OF ETHYLENE GLYCOL IN THE PRODUCTION OF CELLULOSE. 9p, 8refs.
Order from SLA: $1.10 as TT-66-15287

Trans. of Sen-i Gakkaishi (Japan) v17 n3 1941.

TT-66-15481 Field 11L

Kleppe, P. J.; Vethe, A.
A COMPARISON OF THE PROPERTIES OF HIGH YIELD POLYSULPHIDE PULPS WITH HIGH YIELD CONVENTIONAL SULPHATE PULPS. 8p.
Order from SLA: $1.10 as TT-66-15481

Trans. of Norsk Skogindustri (Norway) v20 n7 p249-56 1966.

12 MATHEMATICAL SCIENCES

A. Mathematics and statistics

NCH-206 933 Field 12A

Kostrikin, A. I.
THE SOLUTION OF THE RESTRICTED PROBLEM OF BURNSIDE FOR AN EXPONENT OF 5 (Reshenie Oslablenoi Problemi Bernsaida dlya Pokazetelya 5). Jun 66, 11p, 5refs. RTS-3346.
Order from NLL: 30s as RTS-3346
Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Matematicheskaya, v19 p233-44 1955.

T-66-15632 Field 12A

Wetterling, W.
TSCHEBYSCHEFF-APPROXIMATION WITH NONLINEARLY APPEARING PARAMETERS (Tschebyscheff-Approximation mit Nichtlinear Auftretenden Parametern). Tr. by H. C. Thacher, Jr. May 65, 6p, 2refs. ANL-Trans-192.
Order from SLA: $1.10 as TT-66-15632

Trans. of Zeitschrift fuer Angewandte Mathematik und Mechanik (East Germany) v44 pT85-6 1964.

B. Operations research

TT-66-15463 Field 12B

Oliveira, J. T. de; Littauer, S. B.
DOUBLE LIMIT AND RUN CONTROL CHARTS. 17p, 10refs.
Order from SLA: $1.60 as TT-66-15463

Trans. of Revue de Statistique Appliquee (France) v13 n2 1965.

TT-66-15521 Field 12B

Gnedenko, B. V.; Beliaev, Yu. K.; Kovalenko, I. N.
MAIN DIRECTIONS OF RESEARCH IN THE THEORY OF MASS SERVICE. 26p, 54refs.
Order from SLA: $2.60 as TT-66-15521

Trans. of Vsesoyuznoe Soveshchanie po Teorie Veroiatnostei i Matematicheskoi Statistike, Vilna, 1960. Trudy, n.p., 1962 p341-55.
All-Union Conference on the Theory of Probability and Mathematical Statistics.

13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING

A. Air conditioning, heating, lighting and ventilating

NCH-206 537 Field 13A

Fugenfirov, M. I.
REPLACEMENT OF NICKEL ELECTRODES IN INCANDESCENT LAMPS (Zamena v Lampakh Nakalivaniya Nikelevykh Elektrodov). May 66, 4p. RTS-3221.
Order from NLL: 5s as RTS-3221

Trans. of Byulleten Tekhniko-Ekonomischeskoi Informatsii (USSR) n2 p45-6 1965.

NCH-206 663 Field 13A, 20K

Salier, N.
STRESSES IN SUPERHEATERS SUBJECTED TO RADIATION. Jun 66, 27p (foreign text included) 10refs. INC-Trans-66/185.
Order from NLL

Trans. of Journees Internationales d'Etude des Centrales Electriques Modernes, Liege, May 66. Preprint (sic) n5 1966.

NCH-206 673 Field 13A, 11F, 13H

Bousmanne, L.
ANALYSIS AND CALCULATION OF BLAST FURNACE PERFORMANCE. 29 Sep 66. BISI-4647.
Order from BISI: $42.00 as BISI-4647

Trans. of Revue Universelle des Mines (Belgium) v104 p337-64 1961.

NCH-206 677 Field 13A, 11F, 13H

Sayegh, S.; Baro, R.
A STUDY OF THE HEARTH OF NO. 1 BLAST FURNACE IN THE WENDEL WORKS, HAYANGE SAINT-JACQUES. 29 Sep 66. BISI-4868.
Order from BISI: $9.80 as BISI-4868

Trans. of Revue de Metallurgie (France) v62 p1181-6 1965.

NCH-206 685 Field 13A, 11F, 13H

Galemin, I. M.; Gorokh, A. V.
SINTER REDUCTION AND SLAG FORMATION IN VARIOUS LEVELS OF BLAST FURNACES. 6 Oct 66. BISI-4826.
Order from BISI: $9.80 as BISI-4826

Trans. of Izvestiya Vysshikh Uchebnykh Zavdenii. Chernaya Metallurgiya (USSR) v7 n12 p24-32 1964.

NCH-206 703 Field 13A, 11F, 13H

Popov, Kh.
THE LEAD BALANCE WHEN WORKING WITH LEAD-BEARING IRON ORES IN A BLAST FURNACE. 13 Oct 66. BISI-5028.
Order from BISI: $15.40 as BISI-5028

Trans. of Rudodobiv Met. (sic) (Belgrade) n2 p8-12 1966.

NCH-206 704 Field 13A, 11F, 13H

Georg, A.
AUTOMATIC WEIGHING EQUIPMENT FOR CHARGING WAGONS AND COKE FEED IN BLAST FURNACE OPERATION. 13 Oct 66. BISI-5050.
Order from BISI: $11.20 as BISI-5050

Trans. of Stahl und Eisen (West Germany) v81 n9 p544-8 1961.

NCH-206 899 Field 13A

Litvinov, V. S.
AN INQUIRY INTO THE METHODS OF HASTENING THE DETERMINATION OF THE SERVICE LIFE OF FLUORESCENT LAMPS (K Voprosu o Metodakh Uskorennovo Opredeleniya Sroka Sluzhby Lyuminestsentykh Lamp). Sep 66, 11p, 10refs. RTS-3366.
Order from NLL: 10s as RTS-3366

Trans. of Svetotekhnika (USSR) v10 n5 p24-7 1964.

TT-66-15290 Field 13A

Paris, G.
THE TREATMENT OF BOILER FEED WATERS, AND HIGH PRESSURES. 3p.
Order from SLA: $1.10 as TT-66-15290

Trans. of Chaleur et Industrie (France) v9 p620-1 1928.
Partial trans. (summary only) of p613-21.

TT-66-15589 Field 13A, 11F

Glaubitz, F.
PREVENTION OF CORROSION ON OIL-FIRED BOILERS BY BURNING THE OIL WITH EXTREMELY LOW EXCESS AIR. 15p.
Order from SLA: $1.60 as TT-66-15589

Trans. of Werkstoffe und Korrosion (West Germany) v16 n12 p1033-9 1965.
Paper presented at the "European Symposium on Corrosion caused by Hot Gases and Combustion Products," Frankfurt/M., 1965.

B. Civil engineering

NCH-206 692 Field 13B

Kohn, H.
PLANNING, OPERATION AND MAINTENANCE OF CLOTH TYPE FILTERS. 6 Oct 66, BISI-5020.
Order from BISI: $15.40 as BISI-5020

Trans. of Aufbereitungs-Technik (West Germany) n5 p257-64 1966.

NCH-206 695 Field 13B

Berner, A.
DETERMINING THE DISTRIBUTION FUNCTION OF AN AEROSOL BY MEANS OF MULTISTAGE CASCADE IMPACTORS. 6 Oct 66. BISI-5071.
Order from BISI: $8.40 as BISI-5071

Trans. of Staub (West Germany) v26 p167-9 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

NCH-206 708 Field 13B

Werner, H.
DEVELOPMENT TENDENCIES IN ELECTROSTATIC FLUE GAS CLEANING. 13 Oct 66. BISI-5093.
Order from BISI: $11.20 as BISI-5093

Trans. of Energie und Technik (West Germany) p327-30 Aug 1965.

NCH-206 717 Field 13B

Schutz, A.
A RECORDING DUST MEASURING INSTRUMENT BASED ON ELECTRIC CONTACT WITH A LOGARITHMIC INDICATION SYSTEM. 20 Oct 66. BISI-5043.
Order from BISI: $8.40 as BISI-5043

Trans. of Staub (West Germany) v26 n5 p198-201 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

NCH-206 944 Field 13B, 8H, 2C

Mairakov, M.; Ely-Sakhaf, M.
THE WATER RESOURCES OF MESOPOTAMIA (Vodnye Resursy Mesopotamii). Jun 66, 16p, 9refs. RTS-3140.
Order from NLL: 17s 6d as RTS-3140

Trans. of Moscow Univ. Vestnik. Seriya 5: Geografiya (USSR) v19 n3 p51-7 1964.

TT-66-35541 Field 13B

Majewski, J.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 491. Main Problems of Sanitation Engineering in the 5-Year Plan 1966-70. 14 Dec 66, 8p. JPRS-39118.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35541

Trans. of Gaz, Woda i Technika Sanitarna (Poland) v40 n10 p325-7 1966.

TT-66-35589 Field 13B, 13J

Wulfrath, G.; Voigy, E.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 492. 19 Dec 66, 20p. JPRS-39166.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35589

Trans. of Schiffbautechnik (East Germany) v16 n11 p633-42 1966 and Wasserwirtschaft-Wassertechnik (East Germany) v16 n10 p321-4 1966.

TT-66-51033/2 Field 13B, 6J, 6R

Krotkov, F. G., ed.
HYGIENE AND SANITATION, VOL. 30, NOS. 4/6, 1965. Tr. by N. Kaner. 1966, 466p, refs.
SFCSI-HEW(TT-66-51033/2).
Order from CFSTI: $3.00 as TT-66-51033/2

Trans. of Gigiena i Sanitariya (USSR) v30 n4-6 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-51040/11 Field 13B

STAUB REINHALTING DER LUFT IN ENGLISH, VOL. 25, NO. 11, 1965. Hygiene Effects and Control of Dusts, Fogs, Gases, Vapors, Radioactive Particles. Tr. by D. Ben-Yaakov, 1966, 95p, refs.
SFCSI-HEW(TT-66-51040/11).
Order from CFSTI: $3.00 as TT-66-51040/11

Trans. of technical articles and patent sections from Staub (West Germany) v25 n11 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-51040/12 Field 13B, 18H

STAUB REINHALTING DER LUFT IN ENGLISH, VOL. 25, NO. 12, 1965. Hygiene Effects and Control of Dusts, Fogs, Gases, Vapors, Radioactive Particles. Tr. by D. Ben-Yaakov. 1966, 44p, refs.
SFCSI-HEW(TT-66-51040/12).
Order from CFSTI: $3.00 as TT-66-51040/12

Trans. of technical articles and patent sections from Staub (West Germany) v25 n12 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-51160/3 Field 13B, 6E, 5I, 6I

Krotkov, F. G., ed.
HYGIENE AND SANITATION, VOL. 31, NOS. 7/9, 1966. Tr. by N. Kaner. 1966, 523p, refs.
SFCSI-HEW(TT-66-51160/3).
Order from CFSTI: $3.00 as TT-66-51160/3

Trans. of Gigiena i Sanitariya (USSR) v31 n7-9 1966.
For another listing of this journal see 'Translted or Abstracted Publications,' in TT Vol. 16, No. 4.

C. Construction equipment, materials and supplies

TT-66-15532 Field 13C

Dibrov, G. D.; Ostrikov, M. S.; Petrenko, T. P.
SHRINKAGE OF CONCRETE. 8p, 31refs.
Order from SLA: $1.10 as TT-66-15532

Trans. of Akademiya Nauk SSSR. Doklady, v149 n3 p648-51 1963.

TT-66-35305 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 37. 30 Nov 66, 14p. JPRS-38881.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35305

Trans. of Byulleten Stroitelnoi Tekhniki (USSR) n8 p1-3, 5-8 1966.

TT-66-35478 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 39. 12 Dec 66, 32p. JPRS-39055.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35478

TT-66-35489 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 40. 13 Dec 66, 8p. JPRS-39066.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35489

TT-66-35518 Field 13C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 9. 13 Dec 66, 21p. JPRS-39095.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35518

Abstract trans. of Chien Chu Ts'ai Liao Kung Yeh (Chinese People's Republic) n19 p2-35 1964; n9 p2-35 1965.

TT-66-35631 Field 13C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 11. 21 Dec 66, 15p. JPRS-39209.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35631

Abstract trans. of Chien Chu Ts'ai Liao Kung Yeh Chi Shu (Chinese People's Republic) n4 p1-53 1965.

TT-66-35662 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 44. 22 Dec 66, 30p. JPRS-39240.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35662

Trans. of Byulleten Stroitelnoi Tekhniki (USSR) n11 p1-5, 7-9, 21-3, 30 1966.

TT-66-35675 Field 13C

Reznichenko, M.; Stepanov, I.
USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 46. 27 Dec 66, 19p. JPRS-39253.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35675

Trans. from Stroitelnaya Gazeta (USSR) 2 Nov p1, 2 1966 and Ekonomicheskaya Gazeta (USSR) n35 p13 1966.
Also 6 New Briefs from Stroitelnaya Gazeta (USSR).

F. Ground transportation equipment

TT-66-35297 Field 13F, 13J

Knipper, V.; Golovachev, D. N.
USSR TRANSPORTATION: TRANSLATIONS NO. 156. 30 Nov 66, 11p. JPRS-38873.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35297

Trans. from Vodnyi Transport (USSR) 20 Oct p1 1966 and of Elektricheskaya i Teplovoznaya Tyaga (USSR) v12 n8 p32-3 1966.
Includes newsbriefs from Vodnyi Transport (USSR).

TT-66-35673 Field 13F, 2C

Lipnevich, I.; Sviridov, N.; Anisimon, V.; Spirkin, V.; Divnogortsev, I.
USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 34. 27 Dec 66, 37p. JPRS-39251.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35673

Trans. of Materialno-Tekhnicheskoe Snabzhenie (USSR) n2 p52-62 1966 and from Ekonomicheskaya Gazeta (USSR) n37 p10-2, 27 1966.

G. Hydraulic and pneumatic equipment

NCH-206 556 Field 13G

Pad, E. I.
WIDE-RANGE PNEUMATIC DEVICES FOR AUTOMATIC DIMENSION CONTROL (Shirokopredelnye Pnevmaticheskie Pribori dlya Avtomaticheskogo Kontrolya Razmerov). Jun 66, 26p. RTS-3361.
Order from NLL: 40s as RTS-3361

Trans. of mono. Pri. i Sred. dlya Avt. Kon. Razmerov na Metall. Stankakh. (sic) n.p., 1965 p60-80.

H. Industrial processes

NCH-206 635 Field 13H

Borok, B. A.; Karpman, G. M.
THE EFFECT OF DISPERSE OXIDE INCLUSIONS ON THE PROPERTIES OF NICKEL. Sep 66, 13p (foreign text included) 12refs. INC-Trans-66/256.
Order from NLL

Trans. of Tsentralnyi Nauchno-Issledovatelskii Institut Chernoi Metallurgii. Sbornik Trudov (USSR) v43 p119-30 1965.

NCH-206 638 Field 13H

Korovin, N. V.; Magdasieva, M. E.; Solyakov, V. K.
THE STRUCTURE OF SINTERED POROUS NICKEL ELECTRODES. Sep 66, 13p (foreign text included) 13refs. INC-Trans-66/241.
Order from NLL

Trans. of Poroshkovaya Metallurgiya (USSR) v6 n5 p32-40 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

NCH-206 655 Field 13H

Silbereisen, H.
RECENT DEVELOPMENT IN THE FIELD OF SINTERED SHAPED COMPONENTS. 1966, 8p (foreign text included). INC-Trans-66/197.
Order from NLL

Trans. of Ingenieursblad (Belgium) v35 n10 p378-83 1966.

NCH-206 662 Field 13H

Guillard, J.
NICKEL ORE SMELTING PROCESSES USED IN NEW CALEDONIA BY SOCIETE LE NICKEL. May 66, 10p (foreign text included). INC-Trans-66/174.
Order from NLL

Trans. of Arts et Manufactures (France) p15-9 Apr 1966.

NCH-206 665 Field 13H

EFFECT OF THE DECOMPOSITION TEMPERATURE OF NICKEL FORMATE ON THE PROPERTIES OF NICKEL POWDER. May 66, 15p (foreign text included) refs. INC-Trans-66/107.
Order from NLL

Trans. of PPM-VUPM (sic) n1 p17-31 1965.

NCH-206 678 Field 13H

Angeli, M.
ANALYSIS OF SHEET TEXTURE IN RELATION TO STAMPING BEHAVIOUR. 29 Sep 66. BISI-4909.
Order from BISI: $19.60 as BISI-4909

Trans. of Revue de Metallurgie. Memoires Scientifiques (France) v59 n6 p441-53 1962.

NCH-206 682 Field 13H, 11F

Bernart, E.; Cerny, V.
THE USE OF PROTECTIVE SLAGS FOR CASTING OF KILLED STEEL. 29 Sep 66. BISI-4994.
Order from BISI: $12.60 as BISI-4994

Trans. of Hutnicke Listy (Czechoslovakia) v20 n12 p842-50 1965.

NCH-206 687 Field 13H, 13I, 11F

Cevoli, V.
STEELS FOR DIES. 6 Oct 66. BISI-4937.
Order from BISI: $18.20 as BISI-4937

Trans. of Tranciatura Stampaggio (sic) (Italy) n3 p1-11 1966.

NCH-206 689 Field 13H

Philibert, J.
FINISHING PROBLEMS IN SPECIAL STEELWORKS. 6 Oct 66. BISI-4982.
Order from BISI: $9.80 as BISI-4982

Trans. of mono. Publ. Assoc. Techn. Sider. Franc. 14 May 65 p13.

NCH-206 694 Field 13H

Oehkle, K.
MODERN LENGTH MEASUREMENT TECHNOLOGY AS A BASIS FOR ROLLING MILL AUTOMATION. 6 Oct 66. BISI-5051.
Order from BISI: $15.40 as BISI-5051

Trans. of Stahl und Eisen (West Germany) v86 p830-40 1966.

NCH-206 698 Field 13H

Yashayaev, S. Sh.
SHEAR CUTTING. 13 Oct 66. BISI-4918.
Order from BISI: $12.60 as BISI-4918

Trans. of Kuznechno-Shtampovochnoe Proizvodstvo (USSR) v7 p12-4 1965.

NCH-206 700 Field 13H

Lesage, J.
FINISHING OPERATIONS FOR LARGE MILL TRAINS (WITH DISCUSSION). 13 Oct 66. BISI-4967.
Order from BISI: $23.80 as BISI-4967

Trans. of Revue de Metallurgie (France) v63 p150-64 1966.

NCH-206 712 Field 13H

Heidepriem, J.; Kortzfleisch, B. von.
THROUGHPUT ON PROGRAMME-CONTROLLED BLOOM-SLAB TRAINS. 20 Oct 66. BISI-4932.
Order from BISI: $19.60 as BISI-4932

Trans. of Stahl und Eisen (West Germany) v86 p465-7 1966.

NCH-206 718 Field 13H, 11F

Knorr, W.; Tacke, G.
GRAIN REFINEMENT DURING ALPHA TO GAMMA TRANSFORMATION AS A FUNCTION OF HEATING RATE. 20 Oct 66. BISI-5074.
Order from BISI: $11.20 as BISI-5074.

Trans. of Technische Mitteilungen Krupp (West Germany) v24 n3 p133-8 1966.

NCH-206 721 Field 13H

Doebrich, H.; Guengerich, H. J.
REQUIREMENTS OF DIRECT CURRENT MOTORS AND AUXILIARY DRIVES IN LARGE REVERSING MILL TRAINS. 10 Nov 66. BISI-4933.
Order from BISI: $14.00 as BISI-4933

Trans. of Stahl und Eisen (West Germany) v86 p473-8 1966.

NCH-206 760 Field 13H, 11G

Hoff, H.; Dunk, G. von der.
A CONTRIBUTION TO THE TESTING OF PICKLING ADDITIVES FOR THEIR EFFECTIVENESS. 1 Dec 66. BISI-5154.
Order from BISI: $22.40 as BISI-5154

Trans. of Archiv fuer das Eisenhuettenwesen (West Germany) v35 n2 p115-23 1964.

NCH-206 761 Field 13H, 11F

Bellot, J. ; Hugo, M.
CONTRIBUTION TO THE STUDY OF THE FORGEABILITY OF STAINLESS AND HEAT RESISTING STEELS IN THE ROUGH CAST STATE. 22 Dec 66. BISI-4840.
Order from BISI: $18.20 as BISI-4840

Trans. of Revue de Metallurgie (France) v63 p7-16 Jan 1966.

NCH-206 763 Field 13H

Seyderhelm, W.
ELECTRICAL RESISTANCE WELDING OF TINPLATE. 22 Dec 66. BISI-5016.
Order from BISI: $14.00 as BISI-5016

Trans. of Blech (West Germany) v9 p431-5 Aug 1962.

NCH-206 766 Field 13H

Angeloff, G.
MOULDING SANDS CONTAINING POLYSTYRENE FOAM AND MOULDS AND CORES MADE OF IT. 22 Dec 66. BISI-5092.
Order from BISI: $11.20 as BISI-5092

Trans. of Giesserei (West Germany) v53 p258-62 1966.

NCH-206 770 Field 13H

Fronek, A.
THE EFFECT OF SEQUENCE TIME RATIONALISATION AND INGOT WEIGHT ON BLOOMING MILL EFFICIENCY. 22 Dec 66. BISI-5166.
Order from BISI: $19.60 as BISI-5166

Trans. of Hutnik (Czechoslovakia) v14 n3 p126-30 1964.

NCH-206 771 Field 13H

Rylov, L. A.; Budnik, N. M.
ARC SPOT WELDING OF LOW CARBON PHOSPHATE COATED STEELS. 22 Dec 66. BISI-5184.
Order from BISI: $9.80 as BISI-5184

Trans. of Traktory i Selkhozmashiny (USSR) v35 p40-1 1965.

NCH-206 892 Field 13H

Stoll, H.
DEPOSIT WELDING ON STEELS ROLLS. 1 Dec 66. BISI-5182.
Order from BISI: $8.40 as BISI-5182

Trans. of Stahl und Eisen (West Germany) v86 n19 p1231-9 1966.

TT-66-15337 Field 13H

INSTANT DRYING, WITHOUT BLEMISH, OF MATERIAL SOAKED IN WATER. 4p.
Order from SLA: $1.10 as TT-66-15337

Trans. of Ingenieurs et Techniciens (France) n195 p94-5 1966.

TT-66-15424 Field 13H

Pocta, B.
CHANGE IN THE WALL THICKNESS OF TUBES DURING DRAWING (Zmena Tloustky Steny Trubek pri Pruvlecnem Tahu). May 65, 30p, 6refs. ANL-Trans-189.
Order from SLA: $2.60 as TT-66-15424

Trans. of Hutnicke Listy (Czechoslovakia) v10 n4 p194-200 1955.

TT-66-15491 Field 13H

Nikitin, A. I.
MEASUREMENT OF TUBE WALL THICKNESS DURING HOT ROLLING. 9p, 6refs.
Order from SLA: $1.10 as TT-66-15491

Trans. from mono. Proizvodstvo Trub (sic) Moscow, 1965 p101-7.
Manufacturing of Tubes.

TT-66-15492 Field 13H, 11F

Bidault, G.
THE USE OF ELECTROCAST REFRACTORIES IN REHEATING FURNACES. 33p.
Order from SLA: $3.60 as TT-66-15492

Trans. of Revue de Metallurgie (France) v63 n1 p33-40 1966.

TT-66-15512 Field 13H

Narancsik, P.
PRECISION CASTING OF ALLOY STEELS. 16p, 6refs.
Order from SLA: $1.60 as TT-66-15512

Trans. of International Foundary Congress (no. 32) Warsaw. Paper, n.p., Sep 1965.

TT-66-15669 Field 13H

Bierwirth, G.
NONDESTRUCTIVE TESTING OF CASTINGS BY

ULTRASONICS. 25p, 3refs. ORNL-tr-729.
Order from SLA: $2.60 as TT-66-15669

Trans. of Giesserei (West Germany) v44 n17 p477-85 1957.

TT-66-15670 Field 13H

Ziegler, R.; Gerstner, R.
VELOCITY OF SOUND AS A CHARACTERISTIC FOR THE EVALUATION OF CAST IRON. 30p, 9refs. ORNL-tr-730.
Order from SLA: $2.60 as TT-66-15670

Trans. of Giesserei (West Germany) v45 n8 p185-93 1958.

TT-66-31725 Field 13H, 9C

ELECTRONIC TREATMENT OF MATERIALS, NO. 1, 1965. 2 May 66, 111p, refs. JPRS-35288.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-31725

Trans. of Elektronnaya Obrabotka Materialov (USSR) n1 p3-94 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-35698 Field 13H, 2A

Kononenko, N.; Vladin, S.
USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 35. 28 Dec 66, 12p. JPRS-39276.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35698

Trans. from Stroitelnaya Gazeta (USSR) 2 Nov p1 1966 and Ekonomicheskaya Gazeta (USSR) n36 p36 1966.

TT-66-35767 Field 13H

Mateev, Yu. M., ed.
SEAMLESS TUBE PRODUCTION. 30 Dec 66, 87p (figs omitted) refs. JPRS-39345.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35767

Trans. of Proizvodstvo Svarnykh i Besshovnykh Trub (USSR) n5 p65-116ff 1965.

TT-67-60337 Field 13H, 11F

Rozenfeld, I. L.; Persiantseva, V. P.
THE USE OF INHIBITORS FOR THE PROTECTION OF METALS AGAINST ATMOSPHERIC CORROSION. May 66, 51p (foreign text included) refs. INC-Trans-66/97.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60337

Trans. of Zashchita Metallov (USSR) v2 n1 p5-24 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

I. Machinery and tools

NCH-206 932 Field 13I

Balashin, O. B.
AUTOMATION OF PNEUMATIC GAUGE CONTROLS IN MACHINE BUILDING. Jun 66, 10p. RTS-3363.
Order from NLL: 22s 6d as RTS-3363

Trans. of mono. Avtompt. Pnevmat. Kontrol. Razmer V. Mashinost. (sic) n.p., 1964 p123-31.

NCH-206 950 Field 13I

Polukhin, P. I.; Gun, G. Ya.; Polukhin, V. P.; Prudkovskii, B. A.; Korolev, V. M.
APPLICATION OF THE METHOD OF ELECTRO-HYDRODYNAMIC ANALOGIES IN THE THEORY OF METAL-PRESSING (Primenenie Metoda Elektro-gidrodinamicheskikh Analogii v Teorii Obrabotki Metallov Davleniem). Sep 66, 15p, 9refs. RTS-3342.
Order from NLL: 20s as RTS-3342

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) v8 n5 p57-64 1965.

NCH-206 952 Field 13I, 11E

Shalashov, V. A.
METAL-CERAMIC SELF-LUBRICATING RINGS (Samosmazyvayushiesa Pradilnye Kolsa iz Metallo-keramiki). Sep 66, 7p. RTS-3380.
Order from NLL: 10s as RTS-3380

Trans. of Tekstilnaya Promyshlennost (USSR) v25 n7 p63-7 1965.

TT-66-15523 Field 13I, 21E

Ishida, R.; Kitamura, K.; Shioriri, J.; Hatta, K.
EXPERIMENTAL STUDY ON SOME VIBRATIONAL ASPECTS OF TURBINE-AND COMPRESSOR-BLADE MOUNTING. 14p, 3refs.
Order from SLA: $1.60 as TT-66-15523

Trans. of Tokyo Daigaku Uchu Koku Kenkyujo Hokoku (Japan) v1 n3b p301-13 1965.

TT-66-15524 Field 13I, 21E

Soda, N.; Miyakawa, Y.
PERFORMANCE OF BALL BEARINGS AT HIGH dn VALUES. 42p, 9refs.
Order from SLA: $4.60 as TT-66-15524

Trans. of Tokyo Daigaku Uchu Koku Kenkyujo Hokoku (Japan) v1 n3b p344-64 1965.

TT-66-35667 Field 13I

EAST EUROPEAN MACHINERY INDUSTRIES: TRANSLATIONS NO. 9. 22 Dec 66, 16p. JPRS-39245.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35667

TT-66-35699 Field 13I

Omarovskii, A.
USSR INDUSTRIAL DEVELOPMENT: METAL-WORKING EQUIPMENT NO. 208. 28 Dec 66, 14p, refs. JPRS-39277.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35699

Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) n10 p56 1966 and Voprosy Ekonomiki (USSR) n10 p120-5 1966.

TT-67-60353 Field 13I

Polikovskii, V. I.; Levin, A. A.
THE OPERATION OF PUMPS AND AIR-BLOWING MACHINES AT LOWER FEEDING CONDITIONS. 29 Aug 66, 13p, 7refs. FTD-HT-66-124, AD-644 640.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 640

Unedited rough draft trans. of Teploenergetika (USSR) v12 n10 p71-4 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

J. Marine engineering

NCH-206 111 Field 13J, 20K

Nakano, T.
WEAR OF CYLINDER LINERS. PT. 1. 1966, BSRA-2399.
Order from BSRA: L5 as BSRA-2399

Trans. of Nautical Society of Japan. Journal, n31 p53 Jul 1964.

TT-66-15389 Field 13J, 21F

Ooi, H.; Harima, T.; Iizuka, H.; Kataoka, G.
RESEARCH ON THE COLLISON-RESISTING CONSTRUCTION OF THE SIDES OF A NUCLEAR POWERED SHIP. Report No. 3. 29p. NSJ-Tr-30.
Order from SLA: $2.60 as TT-66-15389

Trans. of Mitsubishi Nihon Juko Giho (Japan) v4 n2 p145-55 1963.

TT-66-15427 Field 13J, 21F, 5A

Aass, H. L.
REPORT ON A STUDY OF THE ECONOMICS OF COMMERCIAL VESSELS PROPELLED BY NUCLEAR ENERGY (Bericht ueber eine Wirtschaftlichkeitsstudie ueber Handelsschiffe mit Kernenergie-Antrieb). 1 Sep 65, 15p, 1ref. AEC-tr-6626.
Order from SLA: $1.60 as TT-66-15427

Trans. of Verein Deutscher Ingenieure. Zeitschrift (West Germany) v105 n32 p1611-6 1964.

L. Safety engineering

NCH-206 931 Field 13L, 13J

Baranovskii, R.; Fedotova, A.
EXPERIMENTS CONTINUE (Opyty Prodolzhayutsya). Jun 66, 5p. RTS-3159.
Order from NLL: 7s 6d as RTS-3159

Trans. of Pozharnoe Delo (USSR) n4 p24ff 1965.

TT-66-51043 Field 13L, 13B

Lidin, G. D., ed.
AIR POLLUTION IN MINES: THEORY, HAZARDS, AND CONTROL. Tr. by N. Kaner. 1966, 303p, refs. SFCSI-Int(TT-66-51043).
Order from CFSTI: $3.00 as TT-66-51043

Trans. of mono. Rudnichnaya Aerologiya, Moscow, 1962.

M. Structural engineering

NCH-200 270 Field 13M, 8M

Vinokurov, F. P.; Teterkin, A. E.; Piterman, M. A.
PEAT IN BUILDING CONSTRUCTION. Apr 65, 90p, 153refs. RTS-2465.
Order from NLL: 40s as RTS-2465

Trans. of mono. Torf v Stroitelstve, n.p., n.d. p17-75, 151-60, 234-9.

TT-65-34108 Field 13M, 13C

Ch'e Shih-yuan; Ts'ui Ch'ang-lu; Ch'ien Chiung-t'ang.
COMMUNIST CHINA'S INDUSTRY AND MATERIALS NO. 102. 30 Dec 65, 70p, 5refs. JPRS-33534.
Order from CFSTI: HC$3.00, MF$0.65 as TT-65-34108

Trans. of Chien Chu She Chi (Chinese People's Republic) n4 p24-32 Apr 18; n8 p17-8, 29; n9 p2-6 Sep 18 1965.

TT-66-15302 Field 13M, 13F

Meier, H.
TIE-LESS TRACK FOR SUBWAYS AND ELEVATED LINES. 35p.
Order from SLA: $3.60 as TT-66-15302

Trans. of Haus der Technik, Essen, 17 Mar 64, Paper, n.p., VuT/64/4 p96 (1-15).

TT-66-15304 Field 13M

Marro, P.
ON THE PREDICTION OF CRACKING IN PRE-STRESSED BEAMS. 23p.
Order from SLA: $2.60 as TT-66-15304

Trans. of Societa degli Ingegneri e degli Architetti di Torino. Atti e Rassegna Tecnica (Italy) v19 n7 p1-7 1965.

TT-66-15305 Field 13M, 13C

Bushev, V. P.; Pchelintsev, V. A.; Federenko, V. S.; Yakovlev, A. I.
FIRE ENDURANCE OF REINFORCED CONCRETE

STRUCTURES. 62p.
Order from SLA: $6.60 as TT-66-15305

Trans. from mono. Ognestoikost Zdanii, Moscow, 1963 p36-94.
Fire Endurance of Structures.

TT-66-15307 Field 13M, 13C

Dannenberg; Deutschmann; Melchior.
EFFECT OF HEAT ON THE TENSILE STRENGTH IN TESTS OF PRESTRESSING STEEL AND EVALUATION OF FIRE TESTS OF PRESTRESSED AND CONVENTIONALLY REINFORCED CONCRETE STRUCTURAL MEMBERS. 51p (9 figs omitted).
Order from SLA: $5.60 as TT-66-15307

Trans. of Deutscher Ausschuss fuer Stahlbeton. Veroeffentlichungen (West Germany) n122 p9-35 1957.

TT-66-15308 Field 13M, 13C

Ehm; Postel.
TESTS OF CONTINUOUS REINFORCED CONCRETE BEAMS AND SLABS UNDER FIRE. 21p, 4refs.
Order from SLA: $2.60 as TT-66-15308

Trans. from mono. International Federation for Prestressing (FIP) Symposium on Fire Resistance of Prestressed Concrete. 9-11 Jun 65, Bunswick. Proceedings, n.p., 1965.

14 METHODS AND EQUIPMENT

B. Laboratories, test facilities, and test equipment

NCH-206 506 Field 14B

Simecek, J.
CONCERNING MICROSCOPICAL DETERMINATION OF PARTICLE SIZE DISTRIBUTION. 22 Sep 66. BISI-5060.
Order from BISI: $11.20 as BISI-5060

Trans. of Staub (West Germany) v26 n4 p162-7 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

NCH-206 565 Field 14B, 13G

Balakshin, O. B.
MAIN TYPES OF PNEUMATIC MEASURING DEVICES, 3 (Osnovne Tipy Pnevmaticheskikh Izmeritelnykh Ustroistv, 3) Jun 66, 8p. RTS-3362.
Order from NLL: 20s as RTS-3362

Trans. of mono. Avtom. Pnevmat. Kontrol Razmer. v Mash. (sic) n.p. 1964 p12-9.

NCH-206 720 Field 14B

Metz, A.
SURFACE TESTING BY SURFACE MEASURING INSTRUMENTS. 10 Nov 66. BISI-4930.
Order from BISI: $5.60 as BISI-4930

Trans. of Draht (West Germany) v15 p174-6 1964.

NCH-206 929 Field 14B

Korobitsin, A. A.
THE SLIPPING OF KNIFE EDGES OF PENDULUMS AND SCALES (K Voprosu o Proskalzyvanii Prizmaticheskikh Opor Mayatnikov i Vesov). Jun 66, 12p, 5refs. RTS-3193.
Order from NLL: 25s as RTS-3193

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) v6 n6 p104-13 1963.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-35320 Field 14B

Podgorski, T.
EAST EUROPEAN ELECTRONIC AND PRECISION EQUIPMENT INDUSTRIES: TRANSLATIONS NO. 2. The Problems of Production Organization and Technical Progress in the Field of Measuring Instruments During the 1966-1970 Period. 30 Nov 66, 14p. JPRS-38896.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35320

Trans. of Pomiary, Automatyka, Kontrola (Poland) n8/9 p249-52 1966.

TT-66-51026 Field 14B

Gorlin, S. M.; Slezinger, I. I.
WIND TUNNELS AND THEIR INSTRUMENTATION. Tr. by E. Boltiansky. 1966, 598p, refs.
SFCSI-NASA(TT-66-51026); NASA-TT-F-346.
Order from CFSTI: $3.00 as NASA-TT-F-346

Trans. of mono. Aeromekhanicheskie Izmerenia. Metody i Pribory, Moscow, 1964.

TT-67-60284 Field 14B, 1A, 20I

Lobastov, Yu. S.
IMPROVEMENT OF A METHOD OF RADIOWAVE SOUNDING GAS, HEATED BY SHOCK WAVE. 7 Oct 66, 12p, 11refs. FTD-TT-66-8; AD-644 016.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 016

Unedited rough draft trans. of Unidentified mono., n.p., 1964 p22-8 (pub. by Akademiya Nauk SSSR. Energeticheskii Institut).

E. Reprography

TT-66-13753 Feidl 14E

Markhilevich, K. I.
THE REDUCTION OF PROCESSING TIME AND WATER CONSUMPTION THROUGH STABILIZATION OF DEVELOPED IMAGES. 8p, 7refs.
Order from SLA: $1.10 as TT-66-13753

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) v2 n2 p148-50 1957.

15 MILITARY SCIENCES

TT-66-35502 Field 15-

SOVIET MILITARY TRANSLATIONS NO. 359. 13 Dec 66, 13p. JPRS-39079.

Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35502

TT-66-35623 Field 15-

Pandov, K.; Savov, D.
MILITARY INFORMATION ON EASTERN EUROPE NO. 150. 21 Dec 66, 17p. JPRS-39201.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35623

Trans. of Armeyski Pregled (Bulgaria) n9 14-7, 53-6 1966.

TT-66-35682 Field 15-

Lukyanets, G.; Shtuchkin, N.
SOVIET MILITARY TRANSLATIONS NO. 361. 27 Dec 66, 20p. JPRS-39260.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35682

Trans. of Krasnaya Zvezda (USSR) 4 Oct p2; 13 Oct p2; 22 Nov p2; 23 Nov p2 1966.

TT-66-35696 Field 15-

Lomov, N.; Pobezhimov, I.; Akhmetshin, Kh.; Galkin, M.; Korotkov, I.
SOVIET MILITARY TRANSLATIONS NO. 363. 28 Dec 66, 48p, refs. JPRS-39274.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35696

Trans. of Kommunist Vooruzhennykh Sil (USSR) n22 p7-15, 22-8, 54-60, 73-7 87-9 1966.

C. Defense

TT-66-15671 Field 15C, 13M

Bergelin, S. E.
CIVIL DEFENSE SHELTERS AND THEIR UTILIZATION. 12p. ORNL-tr-731.
Order from SLA: $1.60 as TT-66-15671

Trans. of Tidskrift Militaer Haelsovard (Sweden) v86 p273-80 1961.

TT-66-35625 Field 15C

SOVIET MILITARY TRANSLATIONS NO. 360. Abstracts and Translations from Air Defense Journal. 21 Dec 66, 42p. JPRS-39203.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35625

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TT-66-35692 Field 15C

Shuvyrin, A.
SOVIET MILITARY TRANSLATION NO. 362. Civil Defense and DOSAAF. 28 Dec 66, 5p. JPRS-39270.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35692

Trans. from Sovetskii Patriot (USSR) 2 Oct p2 1966.

16 MISSILE TECHNOLOGY

A. Missile launching and ground support

TT-67-60397 Field 16A, 22D, 13M, 13F

Nyberg, P. R., comp.
PROTECTIVE STRUCTURES AND COMPONENTS: COMPILATION OF ABSTRACTS. 8 Nov 66, 26p, 41refs. ATD-66-134; AD-645 029.
Order from CFSTI: HC$3.00, MF$0.65 as AD-645 029

Rept. on Surveys of Chinese Communist Scientific and Technical Literature.

17 NAVIGATION, COMMUNICATIONS DETECTION AND COUNTERMEASURES

A. Acoustic detection

TT-66-15356 Field 17A

Gey, C.
SPECIAL OPERATING CONDITIONS TO WHICH UNDERWATER PARTS OF ECHO SOUNDERS ARE SUBJECT. 13p (figs omitted).
Order from SLA: $1.60 as TT-66-15356

Trans. of Feinwerk Technik (West Germany) v68 n2 p45-51 1964.

B. Communications

TT-66-15344 Field 17B

THE MORE RECENT DEVELOPMENT OF OPERATION AND ENGINEERING IN AMERICAN LONG DISTANCE TELEPHONY. 3p, 1ref.
Order from SLA: $1.10 as TT-66-15344

Trans. of ETZ; Elektrotechnische Zeitschrift. Ausgabe A. Zentralblatt fuer Elektrotechnik (Germany) v51 p1437 1930.

TT-66-15346 Field 17B

Stahl, H.
THE SIEMENS-HELL RECORDER. 18p (figs omitted).
Order from SLA: $1.60 as TT-66-15346

Trans. of Telegraphen, Fernsprech- Funk und Fernsprech-Technik (Germany) v22 n11 p291-5 1933.

TT-66-35488 Field 17B

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35488

Trans. of Ekonomicheskay Gazeta (USSR) n44 p40-1 1966 and from Pravda Ukrainy (USSR) 6 Nov p4 1966.

18 NUCLEAR SCIENCE AND TECHNOLOGY

B. Isotopes

TT-66-15205 Field 18B

Mueller, G.
METHODS FOR THE EXPERIMENTAL DETERMINATION OF THE CONSTANTS OF CLUSIUS-DICKEL SEPARATION COLUMNS FOR BINARY AND MULTICOMPONENT ISOTOPE MIXTURES. 28p, 30refs. ORNL-tr-990.
Order from SLA: $2.60 as TT-66-15205

Trans. of Kernenergie (East Germany) v8 n4 p226-36 1965.

TT-66-15331 Field 18B

Vobecky, M.; Benes, J.
THE RAPID SEPARATION OF BARIUM FROM A MIXTURE OF FISSION PRODUCTS. 7p, 8refs. WAPD-Trans-30.
Order from SLA: $1.10 as TT-66-15331

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TT-66-15372 Field 18B

Drehmann, U.
CONCERNING THE SEPARATION AND CONCENTRATION OF THE ARTIFICIALLY RADIOACTIVE SODIUM ISOTOPE, 24Na11 (Ueber die Abtrennung und Anreicherung des Kuenstlich Radioaktiven Natriumisotops 24Na11). Tr. by J. J. Pinajian. July 64, 4p, 3refs. ORNL-tr-191.
Order from SLA: $1.10 as TT-66-15372

Trans. of Naturwissenschaften (Germany) v33 p24 1946.

TT-66-15390 Field 18B

Kanagawa, A.; Takashima, Y.
ISOTOPE SEPARATION BY CON-CURRENT GAS CENTRIFUGE. 23p, 5refs. NSJ-tr-29.
Order from SLA: $2.60 as TT-66-15390

Trans. of Nihon Genshiryoku Gakkaishi (Japan) v6 n1 p20-8 1964.

TT-66-15397 Field 18B

Kakibana, H.; Kurisu, K.
THEORY OF ISOTOPE SEPARATION BY TWO-PHASE DISTRIBUTION. Tr. by S. Hiraga. 2 Sep 64, 12p, 10refs. SC-T-64-1617.
Order from SLA: $1.60 as TT-66-15397

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TT-66-15413 Field 18B

Kakihana, H.; Mori, Y.; Hoshino, T.
FUNDAMENTAL STUDIES ON THE ION EXCHANGE SEPARATION OF ISOTOPES. VIII. CONTINUOUS ENRICHMENT OF LITHIUM ISOTOPES BY A SIMULTANEOUS USE OF ION EXCHANGE AND ELECTROMIGRATION. 12p, 29refs. NSJ-Tr-26.
Order from SLA: $1.60 as TT-66-15413

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TT-66-15430 Field 18B

Stiennon-Bovy, R.
IODINE-132. Tr. by M. Gerrard. Sep 64, 17p, 9refs. ORNL-tr-317.
Order from SLA: $1.60 as TT-66-15430

Trans. of Centre d'Etude de l'Energie Nucleaire, Brussels. Rept. (Belgium) BLG-44 15 Apr 1960.

TT-66-15599 Field 18B

Soeno, K.
ON THE BETA-TO-ALPHA TRANSFORMATION AND GRAIN-REFINEMENT OF U AND ITS DILUTE ALLOYS. 14p, 9refs. NSJ-tr-7.
Order from SLA: $1.60 as TT-66-15599

Trans. of Nihon Genshiryoku Gakkaishi (Japan) v5 n9 p754-9 1963.

TT-66-15610 Field 18B

Muenze, R.; Bubner, M.; Knoll, P.
PREPARATION OF RADIOISOTOPES (Die Herstellung Radioisotopes). Tr. by I. Lane, D. A. Fuccillo, Jr., and R. E. Greene. 11p, 2refs. ORNL-tr-817.
Order from SLA: $1.60 as TT-66-15610

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TT-66-15664 Field 18B

Nadjakov, G.
GENERAL REVIEW OF SCIENTIFIC ACTIVITIES IN THE APPLICATION OF ATOMIC ENERGY FOR PEACEFUL USES IN BULGARIA. III. UTILIZATION AND APPLICATION OF RADIOISOTOPES TO SOME PEACEFUL USES. Tr. by D. A. Fuccillo, Jr. 23 Nov 64, 11p. ORNL-tr-418.
Order from SLA: $1.60 as TT-66-15664

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TT-66-15706 Field 18B

Ehhalt, D.; Knott, K.
KINETIC ISOTOPE SEPARATION IN THE EVAPORATION OF WATER. 13p (figs and refs omitted).
Order from SLA: $1.60 as TT-66-15706

Partial trans. (Conclusion not included) Tellus (Sweden) v17 n3 p389-97 1965.

C. Nuclear explosions

TT-67-60398 Field 18C

Nifontov, B. I.; Protopopov, D. D.; Sitnikov, I. E.; Kulikov, A. V.
UNDERGROUND NUCLEAR EXPLOSIONS. PROBLEMS OF INDUSTRIAL NUCLEAR EXPLOSIONS. 1965, 189p, 92refs. AEC-tr-6777.
Order from CFSTI: HC$3.00, MF$0.65 as AEC-tr-6777

Trans. of mono. Podzemnye Yadernye Vzryvy. Problemy Promyshlennykh Yadernykh Vzryvov, Moscow, 1965 160p.

D. Nuclear instrumentation

TT-66-15365 Field 18D

Coet, P.
OPERATION OF ELECTROSTATIC SEPARATORS IN THE P.S. DURING 1964. Tr. by W. G. Stripp. Mar 65, 14p. NP-tr-1311.
Order from SLA: $1.60 as TT-66-15365

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TT-66-15367 Field 18D

Melzer, W.; Puehlhofer, F.
POSITION FINDING COUNTER FOR THE BUECHNER MAGNET. Tr. by L. J. Herbst. Jul 65, 21p, 3refs. NP-tr-1302.
Order from SLA: $2.60 as TT-66-15367

Trans. of Max-Planck-Institut fuer Kernphysik, Tandem Laboratory, Heidelberg. Rept. (West Germany) n1965/V/2.

TT-66-15415 Field 18D

Kobayashi, S.
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Order from SLA: $1.60 as TT-66-15415

Trans. of Nihon Genshiryoku Gakkaishi (Japan) v5 n10 p854-61 1963.

TT-66-15608 Field 18D

Braunsfurth, J.; Korner, H. J.
RESOLVING TIME PROPERTIES OF NaI SCINTILLATORS. 24p, 19refs. ORNL-tr-838.
Order from SLA: $2.60 as TT-66-15608

Trans. of Nuclear Instruments and Methods (Netherlands) v34 p202-12 1965.

TT-66-15646 Field 18D

INSTRUCTIONS ON OPERATION OF "RIKEN"-TYPE DEEP-SEA RADIATION MEASURING DEVICE. 8p (foreign text included). AEC-tr-6432.
Order from SLA: $1.10 as TT-66-15646

Trans. of Nihon Genshiryoku Kenkyujo, Rept. (Japan) p4-9 n. d.

TT-66-15660 Field 18D

Ullmann, W.
DEVELOPMENT OF A WATER CONTROL INSTRUMENT FOR A SPECIFIC WATER ACTIVITY OF LESS THAN 10^{-7} c/ml. 11p, 4refs. ORNL-tr-394.
Order from SLA: $1.60 as TT-66-15660

Trans. of Isotopentechnik (East Germany) v1 p248-50 1961.

TT-66-15661 Field 18D, 18H

Haberer, K.
CRITICAL CONSIDERATIONS ON THE CONTINUOUS DIRECT MONITORING OF RADIOACTIVITY IN WATER AND WASTE WATER. 18p, 12refs. ORNL-tr-395.
Order from SLA: $1.60 as TT-66-15661

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TT-66-15687 Field 18D

Dezsi, Z.
AN EMANOMETER FOR THE DETERMINATION OF RADON IN NATURAL WATERS. 7p, 5refs. AEC-tr-6731.
Order from SLA: $1.10 as TT-66-15687

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TT-67-51355 Field 18D, 18F, 18J, 6R

Kimel, L. R., ed.
DOSIMETRY AND RADIATION PROTECTION. Tr. by Z. Lerman. 1966, 125p, refs. SFCSI-AEC(TT-67-51355); AEC-Tr-6719.
Order from CFSTI: $3.00 as AEC-Tr-6719

Trans. of Voprosy Dozimetrii i Zashchity ot Izluchenii (USSR) n4 147p 1965.

TT-67-60332 Field 18D, 20N

Pargamanik, L. E.; Strzhemechnyi, M. A.; Tsirlin, Yu. A.
THE PASSAGE OF LIGHT IN A DISPERSED DETECTOR.

2 Sep 66, 13p, 3refs. FTD-HT-66-417; AD-644 168. Order from CFSTI: HC$3.00, MF$0.65 as AD-644 168

Unedited rough draft trans. of Zhurnal Prikladnoi Spektroskopii (USSR) v2 n5 p440-6 1965. For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60351 Field 18D

Lobanov, E. M.; Zvyagin, V. I.; Zverev, B. P.
SILICON NEUTRON DETECTORS. 2 Sep 66, 9p, 4refs. FTD-TT-65-1636; AD-644 609.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 609

Unedited rough draft trans. of mono. Radiatsion nye Effekty v Kondensirovannykh Sredakh, Tashkent, 1964 p59-63.

E. Nuclear power plants

TT-66-51000 Field 18E, 13B, 7A

Kot, A. A.
WATER AND WATER TREATMENT IN NUCLEAR POWER PLANTS. Tr. by R. Kondor. 1966, 318p, refs. SFCSI-AEC(TT-66-51000); AEC-tr-6629.
Order from CFSTI: HC$3.00, as AEC-tr-6629

Trans. of mono. Vodopodgotovka i Vodnyi Rezhim Atomnykh Elektrostantsii, Moscow, 1964.

F. Radiation shielding and protection

TT-66-15204 Field 18F

Wijker, H.
SHIELDING AGAINST RADIATION FROM THE KEMA SLURRY TEST REACTOR (KSTR). PT. 1. 18p, 5refs. ORNL-tr-597.
Order from SLA: $1.60 as TT-66-15204

Trans. of Atoomenergie en haar Toepassingen (Netherlands) v5 p187-94 1963.

TT-66-15421 Field 18F

Delpla, M.; Nussbaum, R.; Funel, P.
STATISTICAL STUDY OF HEMOGRAMS OF NUCLEAR PLANT PERSONNEL PRIOR TO AND DURING EMPLOYMENT. 17p. AEC-tr-6508.
Order from SLA: $1.60 as TT-66-15421

Trans. of International Symposium on the Medical Supervision of Workers Exposed to Ionizing Radiations, Stresa-Ispra, Italy, 2-5 May 61. Paper, n.p., n.d.

TT-66-15433 Field 18F, 18D

Rudat, W. G.; Stroetges, M. W.
APPLICABILITY OF A LARGE-SURFACE METHANE FLOW COUNTER FOR THE DETECTION OF PERSONAL CONTAMINATION. 9p, 3refs. ORNL-tr-595.
Order from SLA: $1.10 as TT-66-15433

Trans. of Atompraxis (West Germany) v10 n11 p469-72 1964.

TT-66-15666 Field 18F

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COMPLEX METHOD FOR CALCULATING PROTECTION AGAINST GAMMA RADIATION. 22p, 1ref. ORNL-tr-427.
Order from SLA: $2.60 as TT-66-15666

Trans. of Energia es Atomtechnika (Hungary) v15 n6 p259-66 1962.

G. Radioactive wastes and fission products

TT-66-15203 Field 18G

Rattay, K. H.; Schulze-Rettmer, R.
THE STORAGE OF RADIOACTIVE WASTE IN THE JULICH NUCLEAR RESEARCH CENTER. 10p, 4refs. ORNL-tr-596.
Order from SLA: $1.10 as TT-66-15203

Trans. of die Atomwirtschaft (West Germany) v9 n12 p617-9 1964.

H. Radioactivity

TT-66-14450 Field 18H, 8G

Schilling, A.
RADIOACTIVE HALOS IN THE FLUOSPAR OF WOELSENDORF. 31p, 18refs. ORNL-tr-697.
Order from SLA: $3.60 as TT-66-14450

Trans. of Neues Jahrbauch fuer Mineralogie Geologie und Palaeontologie (Germany) v53 suppl ptA p241-65 1926.

TT-66-14451 Field 18H, 8G

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Order from SLA: $1.10 as TT-66-14451

Trans. of Zentralblatt fuer Mineralogie, Geologie und Palaeontologie (Germany) Abt A, p177-83 1926.

TT-66-15362 Field 18H

Allkofer, O. C.
RADIATION HAZARDS IN JET FLIGHT. Tr. by E. F. Towndrow. June 65, 21p. NP-tr-1303.
Order from SLA: $2.60 as TT-66-15362

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TT-66-15639 Field 18H

Donhoffer, D.
DETERMINATION OF HALF-LIVES OF THE

NATURAL RADIOACTIVE NUCLIDES Sm147 AND Lu176 BY MEANS OF LIQUID SCINTILLATORS (Bestimmung der Halbwertszeiten der in der Natur Vorkommenden Radioaktiven Nuklike Sm147 und Lu176 Mittels Fluessiger Szintillatoren). Tr. by E. K. Wilip. July 65, 7p, 24refs. ANL-Trans-215.
Order from SLA: $1.10 as TT-66-15639

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TT-66-15649 Field 18H

Spernol, A.; Denecke, B.
PRECISE ABSOLUTE MEASUREMENT OF THE ACTIVITY OF TRITIUM. (Praezise Absolutmessung der Aktivitaet von Tritium. I.) Tr. by M. I. Weinreich. 23 Apr 65, 21p, 54refs. SC-T-65-724.
Order from SLA: $2.60 as TT-66-15649

Trans. of International Journal of Applied Radiation and Isotopes (England) v15 p139-49 1963.

TT-66-15650 Field 18H

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Order from SLA: $2.60 as TT-66-15650

Trans. of International Journal of Applied Radiation and Isotopes (England) v15 p195-211 1963.

TT-66-15654 Field 18H

Lanzola, E.; Petrozzi, E.; Spina, A. M.
GAMMA SPECTROMETRY OF THE AIR AND PLANTS (Spettrometria Gamma di Aria e Vegetali). Tr. by M. I. Weinreich. 7 Jun 65, 10p. SC-T-65-735.
Order from SLA: $1.10 as TT-66-15654

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TT-66-15657 Field 18H

Chantret, F.
A TEST ON DATING RECENTLY FORMED URANIUM MINERALS BY AUTORADIOGRAPHY (Essai de Datage de Mineraux d'Uranium de Formation Recente par Autoradiographie). Tr. by D. J. Yates. Dec 64, 4p, 3refs. ORNL-tr-384.
Order from SLA: $1.10 as TT-66-15657

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TT-66-15659 Field 18H

Schoenberg, D.
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Order from SLA: $1.10 as TT-66-15659

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I. Reactor engineering and operation

TT-66-15332 Field 18I

Ogawa, Y.
STABILITY OF THE REACTOR WHICH HAS THE EXTERNAL CONTROL SYSTEM. 27p, 4refs. WAPD-Trans-28.
Order from SLA: $2.60 as TT-66-15332

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TT-66-15335 Field 18I

Cautius, W.
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Order from SLA: $1.60 as TT-66-15335

Trans. of Atom und Strom (West Germany) v10 n5 p33-8 1964.

TT-66-15432 Field 18I

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PRESTRESSED CONCRETE VESSELS IN THE FRENCH POWER REACTOR PROGRAM. Tr. by A. L. Monks. 2 Nov 64, 24p, 5refs. ORNL-tr-328.
Order from SLA: $2.60 as TT-66-15432

Trans. of Conference on the Operating Experience with Power Reactors, Vienna, 4-8 Jun 63. Proceedings, n.p., n.d. v2 p107-28.
Conference of International Atomic Energy Agency.

TT-66-13519 Field 18I

Heremans, R.; Broothaerts, J.; Lambiet, C.; Put, M.
RESEARCH AND STUDIES RELATIVE TO THE HOT SEMI-PILOT PLANT. 19p.
ORNL-tr-1121.
Order from SLA: $1.60 as TT-66-13519

Trans. of Centre d'Etude de l'Energie Nucleaire, Brussels. Rept. (Belgium) n.d.

TT-66-15560 Field 18I

Adam, E.
INCREASING THE POWER OF THE ROSSENDORF WWR-S RESEARCH REACTOR FROM 2 TO 5 MW. 9p, 19refs.
Order from SLA: $1.10 as TT-66-15560

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TT-66-15561 Field 18I

Schwarz, K.
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Order from SLA: $1.10 as TT-66-15561

Trans. of Kernenergie (East Germany) v9 n1 p5-8 1966.

TT-66-15626 Field 18I

Kaminski, F.
THE EXPERIMENTAL INVESTIGATIONS OF LIQUID SODIUM HEAT TRANSFER AND FLUID FLOW IN THE LABORATORY CONVECTION LOOP. Tr. by A. D. Cernicek. 25p, 10refs. LA-tr-66-54.
Order from SLA: $2.60 as TT-66-15626

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TT-66-15668 Field 18I

Ullrich, W.
COST OF REACTOR CONTAINMENTS FOR POWER REACTORS. 8p, 2refs. ORNL-tr-728.
Order from SLA: $1.10 as TT-66-15668

Trans. of Atomwirtschaft (West Germany) v10 p169-71 1965.

TT-66-15675 Field 18I

Pele, J. P.; Hoyaux, G.; Baugnet, J. M.
NON-DESTRUCTIVE UNDERWATER TESTING IN THE BR_2 REACTOR. 16p, 4refs. ORNL-tr-747.
Order from SLA: $1.60 as TT-66-15675

Trans. of Symposium International sur les Methodes de Travail dans les Laboratoires Chauds de Haute Activite, Grenoble, 15-18 Jun 65. Rept., n.p., n17 n.d.
International Symposium on Methods of Working in High Activity Hot Laboratories.

TT-66-15676 Field 18I

Brebant, C.; Gautier, M.; Roussel, E.
RADIOGRAPHY TESTS WITH ACTIVE FUEL ELEMENTS APPLICATION TO TESTING IN HOT LABORATORIES. 9p, 1ref. ORNL-tr-748.
Order from SLA: $1.10 as TT-66-15676

Trans. of Symposium International sur les Methodes de Travail dans les Laboratoires Chauds de Haute Activite, Grenoble, 15-18 Jun 65. Paper, n.p., n.d.
International Symposium on Methods of Working in High Activity Hot Laboratories.

TT-66-15677 Field 18I

Robien, E. de; Lachambre, A.
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Order from SLA: $1.60 as TT-66-15677

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J. Reactor materials

NCH-206 671 Field 18J

Boehm, H.; Dienst, W.; Hauck, H.; Laue, H. J.
DEPENDENCE OF IRRADIATION BEHAVIOR OF AN AGE-HARDENABLE NICKEL-CHROMIUM-IRON ALLOY ON THE STATE OF PRECIPITATION. Oct 66, 6p (foreign text included) 7refs.
INC-Trans-66/272.
Order from NLL

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TT-66-15214 Field 18J

Mas, P.; Droulers, Y.
STUDY OF THE INFLUENCE OF THE FAST NEUTRON SPECTRUM ON THE FORMATION OF DEFECTS IN SOLIDS AND LIQUIDS. 33p, 14refs. ORNL-tr-1213.
Order from SLA: $3.60 as TT-66-15214

Trans. of Commissariat a l'Energie Atomique, Paris. Rept. (France) CEA-R-2510, 21 Apr 1964.

TT-66-15217 Field 18J, 20L

Mars, J.; Spriet, B.
STUDY OF THE ALLOTROPIC TRANSFORMATIONS OF PLUTONIUM IN A HOT-STAGE MICROSCOPE (Etude des Transformations Allotropiques du Plutonium au Microscope a Platine Chauffante). Tr. by J. A. Amy. Oct 65, 10p (figs omitted) 11refs. ANL-Trans-229.
Order from SLA: $1.10 as TT-66-15217

Trans. of Commissariat a l'Energie Atomique, Paris. Rept. (France) CEA-R-2726, 12 Apr 1965.

TT-66-15328 Field 18J

HYDROGEN PICKUP IN ZIRCONIUM ALLOYS. 36p, 11refs. WAPD-Trans-36.
Order from SLA: $3.60 as TT-66-15328

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TT-66-15330 Field 18J

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Order from SLA: $2.60 as TT-66-15330

Trans. of Nihon Genshiryoku Gakkaishi (Japan) v7 p148-57 1965.

TT-66-15366 Field 18J

Strigl, A.; Bildstein, H.
THE PLASMA BURNER AND ITS USE FOR FUSING VARIOUS MATERIALS INTO GLOBULES.
Tr. by A. Crozy. Aug 65, 25p, 9refs.
NP-tr-1347.
Order from SLA: $2.60 as TT-66-15366

Trans. of Oesterreichische Gesellschaft fuer Atomemergie. Reports nSGAE-CH-12/1964.

TT-66-15428 Field 18J

Gerard, J.; Hove, L. van.
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58p, 10refs. AEC-tr-6617.
Order from SLA: $5.60 as TT-66-15428

Trans. of mono. International Atomic Energy Agency. Symposium on Non-Destructive Tests in Nuclear Engineering, Bucharest, 17 - 31 May 65, Paper, n.p., SM 63/34.

TT-66-15429 Field 18J

Bonnet, P.; Jansen, J.
APPLICATION OF DIFFERENT METHODS OF NON-DESTRUCTIVE TESTING TO FUEL ELEMENTS OF THE ORGEL TYPE (Application des Differentes Methodes d'Essais Non Destructifs aux Elements Combustibles du Type Orgel). 46p, 5refs. AEC-tr-6628.
Order from SLA: $4.60 as TT-66-15429

Trans. of mono. International Atomic Energy Agency. Symposium on Non-Destructive Tests in Nuclear Engineering, Bucharest, 17-21 May 65. Paper, n.p., SM 63/23.

TT-66-15553 Field 13J

Kische, R.; Adam, E.
TEMPERATURE MEASUREMENTS ON SMOOTH AND ROUGHENED FUEL RODS OF THE ROSSENDORF RESEARCH REACTOR. 10p, 4refs.
Order from SLA: $1.10 as TT-66-15553

Trans. of Kernenergie (East Germany) v9 n1 p8-12 1966.

TT-66-15635 Field 18J

Spriet, B.
DETERMINATION OF THE PRINCIPAL GLIDE PLANE IN ALPHA-PLUTONIUM (Determination du Plan de Glissement Majeur dans le Plutonium Alpha). Tr. by J. A. Amy. June 65, 4p, 7refs. ANL-Trans-210.
Order from SLA: $1.10 as TT-66-15635

Trans. of Journal of Nuclear Materials (Netherlands) v15 p113-6 1965.

TT-66-15636 Field 18J

Spriet, B.
PURIFICATION OF PLUTONIUM BY ZONE MELTING AND ELECTRO-DIFFUSION (Purification du Plutonium par Fusion de Zone et Electrodiffusion). Tr. by J. A. Amy. Jun 65, 15p, 13refs. ANL-Trans-211.
Order from SLA: $1.60 as TT-66-15636

Trans. of Journal of Nuclear Materials (Netherlands) v15 n3 p220-30 1965.

TT-66-15641 Field 18J

Barthelemy, P.; Boucher, R.
STUDY OF U-Pu-Fe ALLOYS (MASURCA CRITICAL EXPERIMENT). 45p, 8refs. ANL-Trans-224.
Order from SLA: $4.60 as TT-66-15641

Trans. of Commissariat a l'Energie Atomique. Centre d'Etudes Nucleaires, Fontenay-aux-Roses, Rept. (France) CEA-R-2792 Jul 1965.
European Atomic Energy Community. Rept. no. EUR-2449.f.

TT-66-15686 Field 18J

Elston, J.; Gewiss, C.
THE BEHAVIOR OF VARIOUS INDUSTRIAL QUALITIES OF VITREOUS SILICA UNDER NEUTRON IRRADIATION. 22p (figs refs omitted). AEC-tr-6471.
Order from SLA: $2.60 as TT-66-15686

Trans. of Conference on New Nuclear Materials Including Non-Metallic Fuels, Prague, 1-5 Jul 63. Proceedings, v2, n.p., n. d. p201-27.
Conference of International Atomic Energy Agency.

TT-67-60399 Field 18J, 7E

Aleksenko, Yu. N.; Brodskii, A. M.
RESEARCH ON THE USE OF ORGANIC COOLANTS AND MODERATORS IN NUCLEAR REACTORS.
28 Oct 66, 53p, 6refs. Trans-2247; AD-645 062.
Order from CFSTI: HC$3.00, MF$0.65 as AD-645 062

Trans. of Issledovaniya po Primeneniyu Organicheskikh Teplonositelei-Zamedlitelei v Yadernykh Reaktorakh. n.p., 1964.
Papers of the Institute of Atomic Energy of the USSR.

K. Reactor physics

TT-66-15373 Field 18K

Eyrich, W.
THE CONSTRUCTION AND USE OF NEUTRON GENERATORS (Aufbau und Anwendung von Neutronengeneratoren). Tr. by J. J. Pinajian. July 64, 10p. ORNL-tr-193.
Order from SLA: $1.10 as TT-66-15373

Trans. of Umschau in Wissenschaft und Technik (West Germany) v63 p695-7 1963.

TT-66-15665 Field 18K

Shinohara, Y.; Valat, J.
OPTIMIZATION OF XENON POISONING BY OPTIMIZATION OF BUILD-UP OR OVER-RIDE. 7p, 2refs. ORNL-tr-419.
Order from SLA: $1.10 as TT-66-15665

Trans. of Academie des Sciences, Paris, Comptes Rendus (France) v259 p1836-9 1964.

L. Reactors (Power)

TT-66-11967 Field 18L

Gaussens, J.
OPTIMUM DIMENSIONING OF DUAL-PURPOSE PLANTS FOR THE PRODUCTION OF DESALINATED WATER AND ELECTRICITY WITH THE USE OF NUCLEAR ENERGY. 33p, 2refs. ORNL-tr-1173.
Order from SLA: $3.60 as TT-66-11967

Trans. of International Atomic Energy Agency. Panel of the Utilization of Nuclear Energy in Water Desalination (no. 5) 1965. Paper, n.p., n.d. 33p.

19 ORDNANCE

D. Explosions, ballistics, and armor

TT-66-15409 Field 19D

Berger, J.; Blanchard, R.; Roux, A.
SEARCH FOR AN INTRINSIC THEORY OF DETONATION (Recherche d'une Theorie Intrinseque de la Detonation). Tr. by W. G. Robinson. Oct 65, 18p, 6refs. UCRL-Trans-1272(L).
Order from SLA: $1.60 as TT-66-15409

Trans. of International Conference on Detonation Waves, Paris, 1961. Paper, n.p., n.d. 19p.

20 PHYSICS

TT-66-35554 Field 20-, 12A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 76. 15 Dec 66, 13p. JPRS-39131.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35554

TT-66-35708 Field 20-

COMMUNIST CHINESE SCIENTIFC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 77. 28 Dec 66, 32p. JPRS-39286.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35708

Abstract trans. of Wu Li T'ung Pao (Chinese People's Republic) n4 p145-93 1960; n2 p49-96; n5 p193-240 1962; n3 p113-69 1963.

A. Acoustics

TT-66-15457 Field 20A

Steudel, U.
CONCERNING THE PRECEPTION AND MEASUREMENT OF SOUND VOLUMES. 47p (figs omitted) 35refs.
Available on loan from SLA as TT-66-15457

Trans. of Hochfrequenztechnik und Elektroakustik (East Germany) v41 n4 p116-28 1933.

TT-66-15519 Field 20A

Gavreau, V.; Condat, R.; Saul, H.
INFRASOUND: GENERATORS, DETECTORS, PHYSICAL QUALITIES, BIOLOGICAL EFFECTS. 24p, 19refs.
Order from SLA: $2.60 as TT-66-15519

Trans. of Acustica (Switzerland) v17 n1 p1-10 1966.

TT-66-15705 Field 20A, 13M

Wengler, J.; Quietzsch, G.
EXPERIENCES MADE WITH SOME ELECTRO-ACOUSTIC AIDS IN A LARGE MULTIPURPOSE HALL. 13p (figs refs omitted).
Order from SLA: $1.60 as TT-66-15705

Trans. of Acustica (Switzerland) v15 n6 p436-45 1965.

D. Fluid mechanics

NCH-206 938 Field 20D

Grishanin, K. V.
ON THE LAWS OF SIMILARITY FOR THE TURBULENT BOUNDARY LAYER ON A FLAT PLATE. Jun 66, 7p, 7refs. RTS-3177.
Order from NLL: 12s 6d as RTS-3177

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v3 n2 p31-5 1960.

TT-66-15355 Field 20D, 20M

Boussinesq, J.
CALCULATION OF COOLING EFFECT OF FLUID FLOW. 30p. BNL-tr.102.
Order from SLA: $2.60 as TT-66-15355

Extract trans. of Journal de Mathematiques Pures et Appliquees (France) s6 v1 p285-332 1905.

TT-67-60385 Field 20D, 20M

Zmeikov, V. N.; Ustimenko, B. P.
AERODYNAMIC AND HEAT EXCHANGE STUDIES IN AN ANNULAR CHANNEL WITH AN INNER ROTATING CYLINDER. 20 Sep 66, 38p, 18refs. FTD-TT-65-2026; AD-644 802.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 802

Unedited rough draft trans. of Problemy Teploenergetiki i Prikladnoi Teplofiziki (USSR) n1 p148-72 1964.

TT-67-60401 Field 20D

Pavlovskii, V. V.
THE MAIN SECTION OF AXISYMMETRICAL JETS

OF AN ICOMPRESSIBLE FLUID FLOWING FROM AN APERTURE OF FINITE SIZE INTO A CO-AXIAL UNIFORM FLOW OF THE SAME FLUID. Nov 66, 25p. RSIC-612; AD-645 210.
Order from CFSTI: HC$3.00, MF$0.65 as AD-345 210

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika, n6 p34-41 1965.

E. Masers and lasers

TT-67-60333 Field 20E

Pilipovich, V. A.; Bogdanovskaya, L. A.; Lebedev, V. I.
DETERMINATION OF LOSSES IN A RUBY LASER WITH A DISADJUSTED RESONATOR. 28 Sep 66, 9p, 8refs. FTD-HT-66-492; AD-644 169.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 169

Unedited rough draft trans. of Zhurnal Prikladnoi Spektroskopii (USSR) v4 n3 p236-9 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

F. Optics

TT-66-15395 Field 20F

Gribi, M.; Wegmann, L.
IONIC ETCHING AS A MATERIAL EXAMINATION METHOD IN ELECTRON DIFFRACTOGRAPHS (Ionenaetzung als Materialuntersuchungsmethode im Elektronendiffraktographen). Tr. by M. I. Weinreich. 26 Aug 64, 19p, 34refs. SC-T-64-1608.
Order from SLA: $1.60 as TT-66-15395

Trans. of Dechema Monographien (West Germany) v36 p47-63 1959.

TT-66-15517 Field 20F

Boehm, H.; Guenther, K. G.
A PENNING ION SOURCE FOR MASS SPECTROMETERS. 12p, 3refs.
Order from SLA: $1.60 as TT-66-15517

Trans. of Zeitschrift fuer Angewandte Physik (West Germany) v17 n7 p553-7 1964.

TT-66-15525 Field 20F, 17B

Bolse, I.
PHOTOLYSIS BY ELECTRON BOMBARDMENT. 4p, 3refs.
Order from SLA: $1.10 as TT-66-15525

Trans. of Conference on Luminescence, Budapest, Sep 66. Proceedings, n. p., 1966 p216-20.

TT-66-15617 Field 20F

Matsuda, H.
ION OPTICS. PT 1A. ION OPTICS BY FIRST ORDER APPROXIMATION. Tr. by R. A. Scutt. Feb 66, 47p, 11refs. NP-tr-1403(Pt.1A).
Order from SLA: $4.60 as TT-66-15617

Trans. of Shitsuryo Bunseki (Japan) v12 n25 p47-58 1964.

TT-66-15618 Field 20F

Matsuda, H.
ION OPTICS. PT 2A. SECOND-ORDER ABERRATION. Tr. by R. A. Scutt. Feb 66, 45p, 15refs. NP-tr-1403(Pt. 2A).
Order from SLA: $4.60 as TT-66-15618

Trans. of Shitsuryo Bunseki (Japan) v12 n27 p165-79 1964.

TT-66-15619 Field 20F

Matsuda, H.
ION OPTICS. PT 2B. SECOND-ORDER ABERRATION. (Continuation). Tr. by R. A. Scutt. Feb 66, 36p, 28refs. NP-tr-1403(Pt. 2B).
Order from SLA: $3.60 as TT-66-15619

Trans. of Shitsuryo Bunseki (Japan) v13 n29 p59-70 1965.

TT-66-15620 Field 20F

Matsuda, H.
ION OPTICS. PT 1B. ION OPTICS BY FIRST ORDER APPROXIMATION (CONTINUATION). Tr. by R. A. Scutt. Feb 66, 35p, 8refs. NP-tr-1403 (Pt. 1B).
Order from SLA: $3.60 as TT-66-15620

Trans. of Shitsuryo Bunseki (Japan) v12 n26 p105-13 1964.

G. Particle accelerators

TT-66-15381 Field 20G

Yoshimura, M.; Hamanaka, K.
CALORIMETRIC METHOD OF DETERMINING THE TOTAL ENERGY OF ELECTRON BEAMS. Mar 66, 22p, 6refs. UCRL-Trans-10033.
Order from SLA: $2.60 as TT-66-15381

Trans. of Oyo Butsuri (Japan) v33 p306-12 1964.

TT-66-15384 Field 20G

Matora, I. M.
PHASE EFFECT OF AN ACCELERATING ELECTRIC FIELD IN A CYCLOTRON. Tr. by O. G. Taylor. Mar 65, 12p, 8refs. NP-tr-1296.
Order from SLA: $1.60 as TT-66-15384

Trans. of Joint Institute for Nuclear Research, Dubna. Rept. p769, 1961.

TT-66-15402 Field 20G

Passow, C.
A PHASE FEEDBACK SYSTEM FOR ATTENUATING

AND STABILIZING PHASE OSCILLATIONS IN AN ELECTRON SYNCHROTRON (Ein Phasen rueckkopplungssystem zur Daempfung und Stabilisierung von Phasenschwingungen in einem Elektronen-Synchrotron). Tr. by J. M. Silberstein. Apr 65, 36p, 8refs. SLAC-Trans-15.
Order from SLA: $3.60 as TT-66-15402

Trans. of Deutsches Elektronen-Synchrotron, Hamburg. Rept. (West Germany) DESY 64/13, Dec. 1964.

TT-66-15403 Field 20G

Budker, G. I.; Kiselev, A. E.; Konkov, N. G.; Naumov, A. A.; Nifontov, V. I.
START-UP OF THE B-ZM SYNCHROTRON, AN INJECTOR FOR A POSITRON-ELECTRON STORAGE RING (Zapusk Sinkhrotrona B-Zm-Inzhektora dlya Pozitron-Elektronnogo Nakopitel ya). Tr. by T. Watt. Jan 66, 20p, 7refs. SLAC-Trans-34.
Order from SLA: $1.60 as TT-66-15403

Trans. of International Conference on High Energy Accelerators (no. 5) Frascati, Italy, 9-16 Sep 65. Proceedings, n.p., n27 n.d.

TT-66-15404 Field 20G

COLLIDING-BEAM STORAGE RING. Tr. by R. Addis. July 66, 22p, SLAC-Trans-45.
Order from SLA: $2.60 as TT-66-15404

Trans. of Paris Univ. Laboratoire de l'Accelerateur Lineaire. Rapport (France) LAL-1159 p16-28 1966.

TT-66-15624 Field 20G

Huguerin, J.
THE BREAKDOWN OF THE 600 kV HAEFELY GENERATOR OF THE LINAC. INCIDENTS OF OCT. 31, 1961 AND JULY 4, 1962 AND THEIR REPAIRS. DESCRIPTION AND COMMENTS. 27p. LA-tr-66-50.
Order from SLA: $2.60 as TT-66-15624

Trans. of Centre Europeen de Recherche Nucleaire, Geneva. Rept. (Switzerland) MPS/Int-LIN-62-5.

H. Particle physics

TT-66-15385 Field 20H, 11F

Frank, W.; Seeger, A.; Schottky, G.
ON THE INTERPRETATION OF LOW-TEMPERATURE ELECTRON IRRADIATION IN METALS. II. KINETICS OF THE CROWDION-VACANCY ANNIHILATION AND THE RECOVERY STAGE IE IN COPPER. Tr. by A. Cornell. Jan 65, 20p, 26refs. AI-Trans-72.
Order from SLA: $1.60 as TT-66-15385

Trans. of Physica Status Solidi (East Germany) v8 p345-56 1965.

TT-66-15400 Field 20H

Veverka, A.
ON THE PROBLEMS OF IONIZATION (Zur Problematik der Ionisation). Tr. by M. I. Weinreich. 20p, 8refs. SC-T-64-1630.
Order from SLA: $1.60 as TT-66-15400

Trans. of Elektrie (East Germany) v17 n1 p4-9 1963.

TT-66-15401 Field 20H

Nagel, H. H.
ELECTRON-PHOTON CASCADE SHOWERS IN LEAD. MONTE-CARLO COMPUTATIONS OF PRIMARY ELECTRON ENERGIES BETWEEN 100 AND 1000 MeV. Tr. by J. M. Silberstein. Dec 65, 46p, 25refs. SLAC-Trans-28.
Order from SLA: $4.60 as TT-66-15401

Trans. of Zeitschrift fuer Physik (West Germany) v186 p319-46 1965.

TT-66-15450 Field 20H

Klotynsh, E. E.; Nasledov, D. N.
ELECTRON SCATTERING BY THE ADMIXTURE ATOMS IN GALLIUM ARSENIDE. 8p, 9refs.
Order from SLA: $1.10 as TT-66-15450

Trans. of Fizika, Leningrad, 1965, p21-6 also pub. as Nauchnaya Konferentsia Leningradskogo Inzhenernogo Stroitelskogo Instituta. Sbornik. Doklady Konferentsii (no. 23) 1965 p21-6. Scientific Conference of the Leningrad Architectural Engineering Institute (no. 23) Proceedings.

TT-66-15585 Field 20H

Goldin, L. L.
INVESTIGATION OF A BEAM OF CHARGED PARTICLES BY MEANS OF PICK-UP ELECTRODES. 15p, 1ref.
Order from SLA: $1.60 as TT-66-15585

Trans. of Pribory i Tekhnika Ekspedimenta (USSR) v11 n4 p18-21 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

I. Plasma physics

TT-66-15386 Field 20I

Ecker, G.
THE SPACE-CHARGE ZONE AT THE ARC PLASMA BOUNDARY. Tr. by A. Cornell. Jan 65, 18p, 14refs. AI-Trans-71.
Order from SLA: $1.60 as TT-66-15386

Trans. of Zeitschrift fuer Physik (West Germany) v135 p105-18 1953.

TT-66-15408 Field 20I

Biguet, A.; Blanc, P.; Gravier, R.; Lecoustey, P.; Luc, H.

THE HEATING AND CONFINEMENT OF PLASMA IN THE MAGNETIC WELL OF DECA-2 (Chauffage et Confinement de Plasma dans le Puits Magnetique de DECA II). Tr. by R. Addis. Aug 65, 36p, 10refs. UCRL-Trans-1256(L).
Order from SLA: $3.60 as TT-66-15408

Trans. of Conference on Plasma Physics and Controlled Nuclear Fusion Research (no. 2) Culham, England, 6-10 Sep 65. Paper, n.p., n.d. 24p. Conference of International Atomic Energy Agency.

TT-67-51369 Field 20I, 18A

Sinelnikov, K. D., ed.
PLASMA PHYSICS AND CONTROLLED THERMONUCLEAR FUSION. Tr. by Z. Lerman. 1966, 478p, refs. SFCSI-NASA(TT-67-51369); NASA-TT-F-433.
Order from CFSTI: $3.00 as NASA-TT-F-433

Trans. of Fizika Plazmy i Problemy Upravlyaemogo Termoyadernogo Sinteza (USSR) n4 1963. Conference on Plasma Physics and Controlled Thermonuclear Fusion (no. 4) May 63, Kharkov.

J. Quantum theory

TT-67-60348 Field 20J

Chen Jin-quan.
ON THE GENERALIZATION OF SOME SUM RULES IN RACAH ALGEBRA. Oct 66, 9p, 3refs. Emm-66-83; AD-644 564.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 564

Trans. of Wu Li Hsueh Pao (Chinese People's Republic) v21 n10 p1817-20 1965.

K. Solid mechanics

NCH-206 562 Field 20K

Feodosev, V. I.
CALCULATION OF SNAPPING MEMBRANES (K Raschety Khlopayushchei Membrany). May 66, 13p, 2refs. RTS-3079.
Order from NLL: 15s as RTS-3079

Trans. of Prikladnaya Matematika i Mekhanika (USSR) v10 n2 p295-300 1946.

NCH-206 909 Field 20K

Shirinkulov, T.
ON THE SOLVING OF THE PLANE/2-DIMENSIONAL PROBLEM OF THE THEORY OF CREEP WHEN VOLUME FORCES ARE PRESENT. Sep 66, 9p, 3refs. RTS-3023.
Order from NLL: 25s as RTS-3023

Trans. of mono. O Reshenii Ploskoi Zadachi Teorii Polyzuchesti pri Nalichii Obemnykh Sil, Tashkent, 1962 p167-76.

NCH-206 948 Field 20K

Sherman, D. I.
ABOUT THE STRESSES IN A PONDERABLE MEDIUM WEAKENED BY ELLIPTIC AND CIRCULAR HOLES (O Napryazheniyakh v Vesomoi Srede Oslablennoi Ellipticheskim i Krugovym Otverstiyami). Sep 66, 39p, 4refs. RTS-3033.
Order from NLL: 40s as RTS-3033

Trans. of Akademiya Nauk SSSR, Institut Mekhaniki, Inzhenernyi Sbornik, v27 p124-56 1960.

L. Solid-state physics

NCH-206 428 Field 20L

Inoue, E.; Maki, I.; Yamaguchi, T.
STUDIES ON SEMICONDUCTIVE POWDERED BODY. 1: HYPERSENSITIZATION FOR PHOTOCONDUCTION OF FINE CRYSTALLINE ZINC OXIDE SYSTEM. 17 Oct 66, 18p, 10refs. SA-KKZ-66-428-432.
Order from SA: $22.00 as SA-KKZ-66-428-432

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n4 p428-32 1963.

TT-66-15212 Field 20L

Schaarwaechter, W.
ON THE MECHANISM OF DISLOCATION ETCHING. II. FORMATION CONDITIONS FOR ETCH PITS. 19p, 30refs. ORNL-tr-1155.
Order from SLA: $1.60 as TT-66-15212

Trans. of Physica Status Solidi (East Germany) v12 p865-76 1965.

TT-66-15213 Field 20L

Schaarwaechter, W.
ON THE MECHANISM OF DISLOCATION ETCHING. I. FORMATION OF TWO DIMENSIONAL HOLE NUCLEI AT THE ENDS OF DISLOCATION LINES. 13p, 21refs. ORNL-tr-1154.
Order from SLA: $1.60 as TT-66-15213

Trans. of Physica Status Solidi (East Germany) v12 p375-82 1965.

TT-66-15361 Field 20L

Buehler, S.; Luecke, K.
PLASTIC DEFORMATION OF SILVER SINGLE CRYSTALS AT HIGH TEMPERATURES (Plastische Verformung von Silbereinkristallen bei Hoher Temperatur). Tr. by E. K. Wilip. Nov 64, 30p, 46refs. ANL-Trans-135.
Order from SLA: $2.60 as TT-66-15361

Trans. of Zeitschrift fuer Metallkunde (West Germany) v55 n6 p331-42 1964.

TT-66-15364 Field 20L, 11F

Proeger, M.
TWIN FORMATION IN LAMELLAR PEARLITE.

Tr. by J. B. Sykes. May 65, 4p, 3refs.
NP-tr-1306.
Order from SLA: $1.10 as TT-66-15364

Trans. in manuscript of die Naturwissenschaften (West Germany) v52 n3 p57 1965.

TT-66-15378 Field 20L

Lippmann, H. J.; Kuhrt, F.
GEOMETRICAL INFLUENCE ON THE TRANSVERSE MAGNETIC RESISTANCE EFFECT IN RECTANGULAR SEMICONDUCTOR PLATES. Tr. by M. Little. Nov 64, 28p, 7refs. UCRL-Trans-1088(L).
Order from SLA: $2.60 as TT-66-15378

Trans. of Zeitschrift fuer Naturforschung (West Germany) v13a p462-74 1958.

TT-66-15452 Field 20L, 11F

Novikov, I. I.; Novik, F. S.
WORK OF FORMATION OF CRACKS BY DEFORMATION OF ALLOYS IN THE SOLID-LIQUID STATE. 6p, 10refs.
Order from SLA: $1.10 as TT-66-15452

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) v8 n1 p124-9 1965.

TT-66-15467 Field 20L

Delacy, L.; Warlimont, H.
PHASES WHICH FORM IN Cu-Ga, Cu-Zn-Ga AND Cu-Zn ALLOYS WITHOUT THE BENEFIT OF DIFFUSION (Diffusionslos Gebildete Phasen in Cu-Ga-, Cu-Zn-Ga- und Cu-Zn-Legierungen). 8p (foreign text included) 13refs.
Order from SLA: $1.10 as TT-66-15467

Trans. of Physica Status Solidi (East Germay) v8 pK121-4 1965.

TT-66-15540 Field 20L

Simon, G.
METHODS OF DETERMINING THE SHAPE OF THE FERMI SURFACE IN METALS (Methoden zur Bestimmung der Gestalt der Fermi-Oberflaeche in Metallen). 35p, 184refs.
Order from SLA: $3.60 as TT-66-15540

Trans. of Zeitschrift fuer Angewandte Physik (West Germany) v20 n2 p161-72 1965.

TT-66-15622 Field 20L, 20A

Seeman, H. J.; Klein, F. K.
SOUND VELOCITY AND COMPRESSIBILITY OF MERCURY AND MOLTEN ALUMINUM. Tr. by G. R. Riese and S. P. Marsh. 17p, 22refs. LA-tr-66-37.
Order from SLA: $1.60 as TT-66-15622

Trans. of Zeitschrift fuer Angewandte Physik (West Germany) v19 p368-74 1965.

TT-67-60207 Field 20L, 20B, 11B

Chubova, L. K.; Gavaleshko, M. P.; Tresvyatskii, S. G.; Nazarenko, N. D.

UKRAINIAN JOURNAL OF PHYSICS, VOL. 10, NO. 6: SELECTED ARTICLES. 7 Dec 66, 19p, 10refs. FTD-HT-66-218; AD-643 638.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 638

Unedited rough draft trans. of Ukrayinskyi Fizychnyi Zhurnal (USSR) v10 n6 p630-35, 676-81 1965.

M. Thermodynamics

NCH-206 531 Field 20M

Rivkin, S. L.
EXPERIMENTAL DETERMINATION OF THE SPECIFIC VOLUME OF WATER AT TEMPERATURES IN THE RANGE 374.15 - 500°C AND PRESSURES UP TO 600 kg/cm² (Eksperimentalnoe Issledovanie Udelnykh Obemov Vody pri Temperaturakh 374.15 - 00°C i Davleniyakh do kg/cm²). Aug 66, 16p, 13refs. RTS-2441.
Order from NLL: 15s as RTS-2441

Trans. of Teploenergetika (USSR) v10 n9 p66-71 1963.
For another listing of this journal see 'Translated or Abstracted Publications, in TT Vol. 13, No. 4.

NCH-206 940 Field 20M, 20D

Raikin, Ya. M.
CALCULATION OF THE CRITICAL VELOCITY OF A STEAM-WATER MIXTURE WHEN WORSENING OF HEAT TRANSFER COMMENCES (Raschet Criticheskoi Skorosti Parovodyanoi Smesi, pri Kotoroi Nastupaet Ukhudshenie Teploobmena). Jun 66, 6p, 10refs. RTS-3123.
Order from NLL: 7s 6d as RTS-3123

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v8 n3 p393-5 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-15696 Field 20M, 11B

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